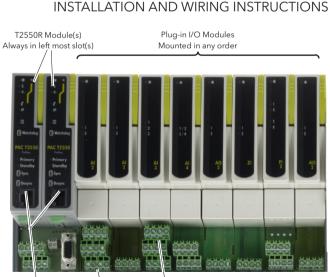


# **Eurotherm**

### by Schneider Electric

# **T2550 EUROTHERM PAC**

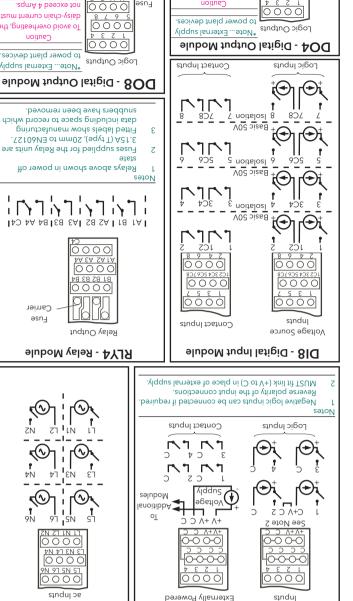


#### 0.3Vdc to +10.3Vdc range. for -0.1Vdc to 10Vf.0f range and $> 1500\Omega$ for the $\Omega_{\rm COC} < 550$ must be $> 550\Omega$ Note Voltage Mode. Input impedance 'Rv' of the device eluboM tuqtuO eugolenA - 20A For MAWUR, Current (position B), must be set to 8V output supply, and the Threshold must be set to 1.65mA. Sensor Break and Sensor Short circuit detection can be enabled, if required. Cable shielding must not be connected to both the T2550 and encoder ends. above 91% of the output supply Volts (Volts or milli-amps). Sensor Break and Sensor Short Circuit detection via the Options. SBreak and Options. SCct fields in the associated FLUIO block to prevent inappropriate alarms. The Sensor Break alarm is set if the Input value fields allo block to prevent The Sensor Short circuit alarms is set if the Input value of the transmission of 0.05V or 0.05mA. The Sensor Short circuit alarms is set of the Input value of the transmission of the trans For Voltage (position C) or Current (position B), to acheive good pulse detection, and help prevent inappropriate detection of noise spikes and best repeatability, the Threshold must be set close to the midpoint, between the peak to peak values of the input. It may be necessary to disable the Oo NOT configure Debounce if using Control loops based on a frequency PV. uonner All configurations can apply a Debounce value of 0ms (if not required), 5ms, 10ms, 20ms, or 50ms, using an algorithm that ensures pulse edges closer than the set time, are excluded. **APPLICATION DETAILS** (O noitizoq) egetloV Current (position B) midpoint between the peak to peak voltage across the burden. The output supply must be set to the requirements of the transducer, 8V, 12V, or 24V. (A noitizod) tostion A) Link1 and Link2 resistor. If using an external current burden resistor, CC (channel 1), and 2+ and c) and bock CC (channel 2), Set links to Voltage (pos C), and block (nType field to V. The Threshold must be set to the ot the measured voltage it required. etting in order to increase the span the peak-to-peak voltage and chose a midway theshold. Increase the PSU the internal burden resistor is selected the transducer must not exceed 12%. The output supply hums be set to the requirements of the transducer, 8% or 12%. The Terminal Unit includes an internal 1KΩ burden If using an external barrier, measure 2V, 3V, or 6V. Set Threshold 25% of output (V), i.e. nd select the internal current burden resistor. When Set Links to Voltage (pos C) and block InType field to Magnetic. Threshold internally configured. Set Links Voltage (pos C) and block InType field to V. If using an output supply to power a sensor, set output supply to 8V, 12V, or 24V. Set Links to Current (pos B), block InType field to mA .V81 10 ,V9 ,V8 remperature rise. Set Threshold 75% of output (V), i.e. emperature ri et output supply to 8V for minir Set Links to Contact (pos A) and block InType field to V. Recommend ۲ r 💬 i Г**/**Л See Notes 3 & 4 V1 1+ See Notes 5, 6 & 8 See Notes 5, 7 & 8 See Note 2 0000 (Am) or Volt-Free or Volt-Free (\M) (NPN) tostno (909) tostno sqme-illiN JOV Caution Do not install more than 8 FI2 modules in a single Base Unit if the channel output load at 24V is more than 5mB per channel. If more loads are required than this restriction permits, an external power supply must be used. FI2 - Frequency Input Module

output module must be < 550Ω.

impedance) 'Ri' of the device connected to this

Current Mode. Input impedance (or loop



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aaisy-chain current must

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●DefloV\*

(A4) esu-l

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# INSTALLATION SAFETY REQUIREMENTS

Contacts Input

Various symbols used on the instrument are described below. Caution (refer to the accompanying documents) - Functional (ground) earth Protective earth

DI4 - Digital Input Module

Voltage Source

# INSTALLATION CATEGORY AND POLLUTION DEGREE

This product has been designed to conform to BS EN61010 installation category II and pollution degree 2. These are defined as follows: Installation category II. The rated impulse voltage for equipment on nominal

230V ac mains is 2500V. Pollution degree 2.

115 and 230 V

DIG - Digital Input Module

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\*Voltage

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Normally, only non-conductive pollution occurs. However, occasionally a temporary conductivity caused by condensation shall be expected.

### PERSONNEL

Installation must be carried out only by qualified personnel.

ENCLOSURE OF LIVE PARTS To prevent hands or metal tools touching parts that may be electrically live, the unit must be installed in an enclosure.

# **BLANK TERMINAL UNIT**

Base Units are supplied to hold 16 modules. In the event that a Base Unit is not fully populated a blank terminal unit, Part no. 026373, is supplied with the unit. It is important to fit this immediately to the right of the last module in order to maintain IP20 rating.

### WARNING: Live sensors

The unit is designed to operate with the temperature sensor connected directly to a electrical heating element. However you must ensure that service personnel do not ouch connections to these inputs while they are live. With a live sensor, all cables, onnectors and switches for connecting the sensor must be mains rated

## WIRING

It is important to connect the unit in accordance with the wiring data given in this instruction sheet. Take particular care not to connect AC supplies to the low voltage sensor input or other low level inputs and outputs. Only use copper conductors for connections (except thermocouple inputs) and the wiring of installations comply with all local wiring regulations. For example in the UK use the latest version of the

# CONDUCTIVE POLLUTION

Electrically conductive pollution must be excluded from the enclosure in which the unit is mounted. To secure a suitable atmosphere in conditions of conductive pollution, fit an air filter to the air intake of the enclosure. Where condensation is likely, include a thermostatically controlled heater in the enclosure.

### INSTALLATION REQUIREMENTS FOR EMC

To ensure compliance with the European EMC directive certain installation precautions are necessary: For general guidance refer to EMC Installation Guide, Part no. HA025464. If using relay outputs it may be necessary to fit suitable filters for suppressing the emissions. The filter requirements will depend on the type of load. For typical applications we recommend Schaffner FN321 or FN612. Do not connect this unit to a DC distribution network.

### COMPACT FLASH (CF) CARD PRECAUTIONS

The flash card must not be reformatted. Files and System folders must not be deleted. The card must not be removed from a reader without the correct removal procedure being followed. If these rules are not adhered to, the card may be damaged and the instrument malfunction.

#### MODILIE TASK RATES

Туре	Description	Slow Task (110 ms)	Fast Task (10 ms)
AI2	Analogue I/P 2 channels (universal; 3 terminal unit options)	✓	-
AI3	Analogue I/P 3 channels (4-20mA, with transmitter PSU)	$\checkmark$	-
414	Analogue I/P 4 channels (TC, mV, mA terminal unit options)	$\checkmark$	-
AO2	Analogue O/P 2 channels (0-20mA or 0-10V output)	$\checkmark$	$\checkmark$
DI4	Digital I/P 4 channels (logic)	$\checkmark$	-
DI8_LG*	Digital I/P 8 channels (logic)	$\checkmark$	$\checkmark$
DI8 CO*	Digital I/P 8 channels (contact closure)	$\checkmark$	$\checkmark$
DI6_MV	Digital I/P 6 channels (ac mains input, 115V rms)	$\checkmark$	-
DI6_HV	Digital I/P 6 channels (ac mains input, 230V rms)	$\checkmark$	-
004 LG*		$\checkmark$	$\checkmark$
004_24*	Digital O/P 4 channels (externally powered, 100mA)	$\checkmark$	$\checkmark$
208	Digital O/P 8 channels	$\checkmark$	$\checkmark$
RLY4*	Relay O/P 4 channels (2 amp; 3 n/o, 1 change over)	$\checkmark$	$\checkmark$
=12	Frequency I/P 2 channels (logic, contact closure)	$\checkmark$	$\checkmark$
ZI	Zirconia I/P 2 channels (mV, 2V range)	$\checkmark$	-

IEE wiring regulations (BS7671). In the USA use NEC Class 1 wiring methods.

#### POWER ISOLATION

The installation must include a power isolating switch or circuit breaker. This device should be in close proximity (1 meter) to the unit, within easy reach of the operator and marked as the disconnecting device for the instrument.

### EARTH LEAKAGE CURRENT

Due to RFI Filtering there may be an earth leakage current of up to 3.5mA. This may affect the design of an installation of multiple units protected by Residual Current Device (RCD) or Ground Fault Detector, (GFD) type circuit breakers.

### **OVERCURRENT PROTECTION**

It is recommended that the DC power supply to the system is fused appropriately to protect the cabling to the unit. The unit provides a fuse on the T2550R module to protect the supply from a fault within the unit.

#### VOLTAGE RATING

The maximum continuous voltage applied between any of the following terminals must not exceed 264Vac

- DI6 input or RLY4 relay output to logic, dc or sensor connections;

any connection to ground The unit must not be wired to a three-phase supply with an unearthed star connection. Under fault conditions such a supply could rise above 264Vac with respect to ground and the unit would not be safe.

#### **EQUIPMENT & PERSONNEL PROTECTION**

- The designer of any control scheme must consider the potential failure modes of control paths and, for certain critical control functions, provide a means to achieve a safe state during and after a path failure.
- 2. Separate or redundant control paths must be provided for critical control functions.
- System control paths may include communication links. Consideration 3. must be given to the implications of unanticipated transmission delays or failures of the link.
- Each implementation of this equipment must be individually and 4. thoroughly tested for proper operation before being placed into service.

#### **RESTRICTION OF HAZARDOUS SUBSTANCES**

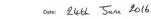
This certificate relates to the product models mentioned above. The data shown here is related to the following version of the China RoHS 2.0: strative Measures for the Restriction of Hazardous Substances in Electric Appliances and Electronic Products" released January 21st 2016

部件名称	有害物质 - Hazardous Substances						
Part Name	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE	
金属部件 Metal parts	х	0	0	x	0	0	
塑料部件 Plastic parts	0	0	0	0	0	0	
电子件 Electronic	x	0	0	0	0	0	
触点 Contacts	0	0	x	0	0	0	
线缆和线缆附件 Cables & cabling accessories	o	0	o	o	o	o	

本表格依据SJ/T11364的规定编制。 O:表示该有書物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。 X:表示该有書物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求

This table is made according to SI/T 11364. O: indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572. X: indicates that concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572.

12 Shaw Signed (Kevin Shaw, R&D Director):





#### MANUFACTURING ADDRESS

U.K. Worthing Eurotherm Limited Telephone: (+44 1903) 268500 Fax: (+44 1903) 265982 E-mail: info@eurotherm.com Web: www.eurotherm.co.uk

Communications Base Unit Port

Plant and Process Connections

The T2550 is a modular system which can provide multi-loop PID control, analogue and digital I/O, signal conditioning and computational blocks using a variety of plug-in modules.

The Base Unit can be supplied with up to 16 I/O modules, and can be fitted with a LIN or Profibus Duplex Terminal Unit, or a LIN Simplex Terminal Unit. The base unit is suitable for DIN rail (35mm Top hat) or bulkhead mounting.

Customer connections with plant devices are provided by terminal units, specific to each module type, that clip into the Base Unit. The terminal units also provide interconnections between I/O modules and the Input/Output Controller (IOC) Modules which contain system configuration and communications support. The I/O Modules, which clip into their terminal units, are dedicated to specific analogue or digital, input or output. The IOC Modules contain the configuration for the system and communications support.

The system requires 24Vdc at less than 100mA per T2550 IOC Module. A suitable Power Supply is the 2500P, available as 1.3, 2.5, 5, or 10 amp units.

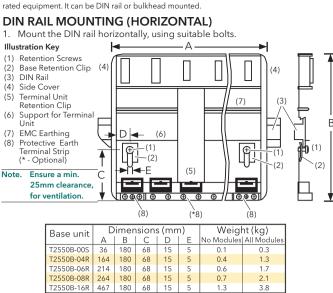
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We pursue a policy of continuous development and product improvement. The specification in this document may therefore change without notice. The information in this document is given in good faith, but is intended for guidance only. We will accept no responsibility for any losses arising from errors in this document.

#### The Base Unit TO MOUNT THE BASE

This unit is intended to be mounted within an enclosure, or in an environment suitable for IP20



- 2. Ensure that the DIN rail makes good electrical contact with the metal of the enclosure
- 3. Loosen screws (1) in the base, and allow them, and the associated bas retention clips (2) to drop to the bottom of he screw slot.
- 4. In the back of the base is an extruded slot which locates with the DIN rail(3).
- 5. Fit the top edges of this into the top edge of the DIN rail (3). Slide the screws (1) with the associated clips (2) upwards as far as they will go towards the top of the screw slots. The angled edge of the base retain clip (2) must locate behind the bottom edge of the DIN rail.
- 6. Tighen the screws (1).

#### **DIN RAIL MOUNTING (VERTICAL)**

#### Caution

#### The base unit may be mounted vertically but, in such a case, a fan should be f n the cubicle in such a way as to ensure a free flow of air round the modu

- Mount the DIN rail vertically, using suitable bolts.
- 2. Ensure that the DIN rail makes good electrical contact with the metal k of the enclosure
- Loosen screws (1) in the base, and move them and the associated bas retention clips (2) to the bottom of the screw slot.
- 4. In the back of the base is an extruded slot which locates with the DIN
- 5. Fit the top edge of this into the top edge of the DIN rail (3)
- Slide the screws (1) with the associated clips (2) upwards as far as they 6. will go towards the top of the screw slots. The angled edge of the bas retaining clip (2) must locate behind the bottom edge of the DIN rail. Tighten the screws

## **DIRECT PANEL MOUNTING**

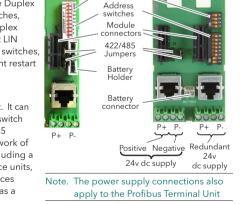
- Remove the screws (1) and base retention clips (2).
- Hold the base horizontally or vertically on the panel and mark the pos 2. of the two holes on the panel.
- Drill two 5.2mm holes in the panel
- Using M5 bolts supplied, secure the base to the metal panel.

## **Terminal Unit (Simplex and Duplex Unit)**

The Terminal Units have links and switches for configuring the Mode, LIN address and instrument Restart options. The Simplex Unit uses one set of 10 switches to set these configurations. The Duplex Unit has one set of 8 switches, SW1, to configure the Duplex operation and instrument LIN address, and one set of 4 switches, SW2, to set the instrument restart configuration.

#### The Ethernet Port

This is a 10/100base T port. It can be connected to a hub or switch with Cat5 cable via the RJ45 connector to create a network of Tactician instruments, including a range of operator interface units, and to interface with devices supporting Modbus-TCP as a master or a slave.



Options

switches

The Terminal Unit will autonegotiate if connected directly to a device support 10/100base T Ethernet, so RJ45 cross-over cables not required.

#### **BATTERY SUPPORT**

The Simplex Unit supports Battery backup via the Lithium Manganese Dio battery, maintaining the Real-Time Clock for 1.5 years continuous use.

Warning If batteries are abused, a caustic solution may leak that can result in the c

В	Caution
<u> </u>	Before proceeding with any wiring on this unit, please read section on Wiring, and Safety and EMC information. It is the responsibility of the installer to ensure the safety and EMC compliance of any particular installation. The power supply is the 2500P. This is a DIN rail mounted unit, which may be mounted adjacent to the base or remotely. Alternatively, an existing power supply may be used provided it meets the specification below. The IOC terminal unit is not fused, but is diode protected against connection of a reversed polarity supply. Connection of a reversed polarity supply will not damage the unit. All modules are individually fused. The fuse is not user replaceable, therefore the unit must be returned to the factory for replacement.
	POWER SUPPLY SPECIFICATION
	Power supply voltage: 24Vdc ± 20%
	Supply ripple: 2Vp-p max Power comsumption: 82W max per base
	Note. The current taken by each module is 100mA on average. 18V is the absolute low supply voltage limit. The use of an 18V Power Supply with any appreciable voltage drop may cause unpredictable or out of specification operation. Damage may occur when a supply voltage >30Vdc is used.
	I/O Modules & Terminal Units
	TO FIT A TERMINAL UNIT
	1. Locate tag (1) on the Terminal Unit PCB with the slot in the Base.
	2. Press the lower end of the Terminal Unit (2)
	until secured in place by the Retention clip (3). This is indicated by a 'click' as the clip locks
	5 3. To remove, press the Retention clip to release
	the Terminal Unit and withdraw it from the slot in the Base Unit.
	TO FIT A MODULE
	The module must be fitted and removed with the Retaining
	lever in the open position, as shown, or the module case may be damaged.
	1. Open the Retaining lever on the face of the module (4).
	2. Insert the module (5), ensuring that it engages with the backplane and terminal unit connectors.
	3. Once secure, close the retaining lever.
	To remove a module, open the retaining clip and pull the module out of the base unit.
	I/O MODULE TERMINATION DETAILS
	The module terminals accept wire sizes from 0.20 to 2.5mm <sup>2</sup> (14 to 24AWG). The screws should be tightened to 0.4Nm (5.3 lb in) using a 3.5mm flat screwdriver.
	Simplex Terminal Unit
	SW1: Function
	10       Simplex Only (See SW2 Note below)         8       Addr. Bit 7 (MSB, value 128)         7       Addr. Bit 6
	7         Addr. Bit 6         MSB         Bit7         Bit7
	4 Addr. Bit 3 1 0001 1 0001 1 0010 2
	2 Addr. Bit 1 (LSB, value 2) 1 1 0 0 10 2 0010 2 1 Not Used LSB LSB 0 Bit 1 0011 3 0100 4
	Duplex Terminal Unit
	SW1: Function 8         On (1) Addr. Bit 7 (MSB, value 128)         On (1) 0 1 1 1 1 1 0 X         0 1 1 1 1 0 X         0 1 1 1 7
	7 Addr. Bit 6 MSB Bit7 1001 9
	3         Addr. Bit 1 (LSB, value 2)         1 </td
	SW2: OPTION CONFIGURATIONS SW2: FunctionOn (1)
	4 Not Used 2 Duplex Only (See Note below). 1
	1 On = Restart after Watchdog $\square 0$
	Off = Remain in Reset
	Bit 2(9) Bit 3(10) Function
	Off Off Automatic database generation. On Off Attempt cold start. Halt if fails.
	Off On Attempt hot start. Halt if fails. On On Attempt hot start, if failed attempt cold start. Halt if fails.
	Serial Communications (Modbus & Profibus) The Serial network supports Modbus
	and ProfiBus communications Simplex Duplex
	protocols. Modbus communications

### Setting the IP Address

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WARNING

Do not operate the equipment without a protective earth conductor connected to one of the earth terminals on the base unit. The earth cable should have at least the

Connect the protective earth with a suitable tinned copper eyelet, and use the

For DIN rail mounting, use symmetrical DIN rail to EN50022-35 X 7.5 or 35 X 15

w and washer supplied with the base unit, tightened to a torque of 1.2Nm

current rating of the largest power cable used to connect to the unit.

This connection also provides a ground for EMC purposes

Connecting the 24Vdc Power Supply

(910.5lbin).

mounted horizontally or vertically

Each instrument uses a one-to-one mapping of LIN Node Number to an IP Address defined by the 'network.unh' file.

Note: The Compact Flash card is accessed using a standard Compact Flash card reader. The 'network.unh' file MUST be edited using the Instrument Properties dialog. It can be edited using a text editor program, e.g. 'notepad.exe', but this is not recommended.

#### ALLOCATION OF IP ADDRESS

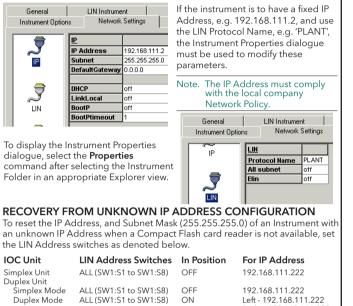
DHCP: The instrument (IP host) asks a DHCP server to provide it with an IP Address. Typically this happens at start-up, but can be repeated during operation. DHCP includes the concept of assigned values that will 'expire'. A DHCP server is required that is configured to respond correctly to the request. This configuration depends on the local company network policy.

BootP or Bootstrap Protocol (Internet (TCP/IP protocol)): This is used by a network computer to obtain an IP Address and other network information such as server address and Default Gateway. Upon startup, the client station transmits a BOOTP request to the BOOTP server, which returns the required information. A BootPtime-out period can be configured. If this period elapses before the IP Address, Subnet mask, and Default Gateway address are obtained, the values display 0.0.0. Link-Local: Used as a fallback to either DHCP or BootP, or it can be used on its own as the only IP Address configuration method. Link-Local always assigns an IP Address in the range 169.254.X.Y. This IP Address range is reserved for use by Link-Local and is explicitly defined as private and non-routable. The Link-Local algorithm ensures that an instrument (IP host) on a network choses a unique IP Address from the Link-Local range. Link-Local is supported by Windows 98 onwards.

Manual: This requires the IP Address to be explicitly defined in the 'network.unh' file.

### EDITING THE NETWORK SETTINGS

Each instrument uses a one-to-one mapping of LIN Node Number to a single IP Address, defined in the Instrument Properties dialogue. When despatched from the factory, the instrument is configured using DHCP with Link-Local Fallback, and a default LIN Network name, 'NET



Left - 192.168.111.222 Right - 192.168.111.223

A Computer with a fixed IP Address on this Subnet can then be connected directly to the instrument and used to inspect and edit the IP Address of the T2550 IOC module.

Note. Use the Instrument Properties dialogue to edit the IP Address. The Terminal Configurator may also be used, but this is not recommended.

#### SERIAL NETWORK CONNECTOR (EIA 485) Profibus Modbus Pin Colour 3-wire signal 5-wire signal Description Signal Not Used N/A Brown N/A RxA Receive/Transmit A Brown/White Not Used N/A RxB N/A 6 5 4 VP Green Cmn Cmn N/A 6 5 5V Signal Common Blue/White N/A Cmn N/A N/A Not Used N/A Blue 3 Green/White Cmn Cmn В Receive/Transmit B Orange TxA Not Used N/A Orange/White Shield (ground) 1 В ΤxΒ Shield Plug shroud to Cable screen

Caution

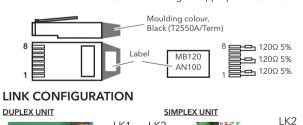
# Wire colours may vary according to cable manufactu

### COMMUNICATIONS LINE TERMINATOR

The communications line MUST be terminated ONLY on the last device in **the chain** using the appropriate load resistors. To minimise on site wiring and to provide the correct resistor values, 'Terminators' are available from your distributor

### **RJ45 LINE TERMINATION**

The Modbus TCP/IP RJ45 line terminator, T2550A/Term, is plugged into the last RJ45 socket in the chain. If the operating interface is a PC or PLC this should be terminated in accordance using the appropriate load resistors.



n of aluminium and copper. The caustic solution must be neu a weak acidic solution, i.e. vinegar, or washed away with copious amount water. Batteries must be disposed of according to current local regulation and not discarded with normal refuse.

#### The Duplex Unit supports external Battery backup only. CONNECTIONS TO RJ45 SOCKET

RJ45 Pin Colour Signal Brown Not Used Brown/White Not Used 6 Green RX-Blue/White Not Used 5 Not Used 4 Blue Caution 3 Green/White RX+ Wire colours may vary TXccording to cable man 2 Orange Orange/White TX+ ufacturer Plug shroud to Cable screen

#### SW1: LIN ADDRESS CONFIGURATIONS

In Duplex mode, the primary is initially in the left-hand (even address) first slot and the secondary, the right-hand (odd address) second slot. If the secondary must take over, and become the primary, it will also take over the even address.

In Simplex mode, it always adopts the even address. It is strongly recommended that the odd address remains unallocated on this LIN segment to avoid address clashes if a second module is subsequently added. A Simplex Unit always adopts the even address. It is strongly recommended that the odd address remains unallocated on this LIN segment.

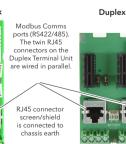
are via the RJ45 connector on the Terminal Unit, but Profibus communications are via a standard 9-way D-Type connector on a dedicated Profibus Terminal Unit.

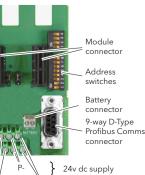
The system power connections (standard screw terminals) are provided by the Terminal Unit.

The Serial connection may be used to connect to an operator interface unit, create a Modbus or Profibus network or communicate with a variety of third-party serial devices. **BAUD RATE** 

In Modbus networks, each instrument baud rate is configured via the Instrument Properties dialog, and MUST be set the same for both the instrument transmitting and the instrument receiving data.

In Profibus networks, the Baud Rate is is defined by the Profibus Master, by detecting the fastest Baud Rate that all devices can operate. The Profibus Terminal Unit operates at 12M Baud





Redundant 24v dc supply



#### Fit applicable links as shown:

Pos Terminal Unit LK1 and LK2 1-2 2 (3) wire (default) Profibus Network Terminated LK1 and LK2 2-3 4 (5) wire

# Profibus Network Unterminated

#### ADDRESS CONFIGURATIONS Profibus Address configurations

from 1 to 127 must be set in the Instrument Properties dialog via the Instrument Folder or Modbus Tools. 0 is an invalid address, and when configuring a duplex Profibus system the last permitted Address configuration is 125, to allow an even address, e.g. 126, for the second IOC in the redundant pair.

Instrument Options COM1 CO Panel Hardware Protocol odbus-S None Ż Address ÷ Baud 600 Parity Data bits

**Profibus Terminal Unit** 

Explicit Modbus Registers, in Modbus Tools MUST be configured to Note. permit Profibus Slave communications, see Instrument Handbook

Link (default)