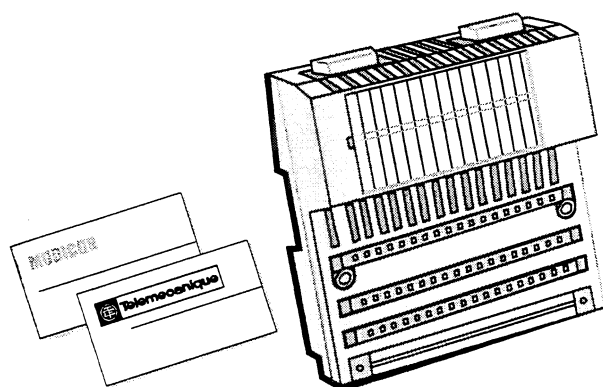


**TSX Momentum  
170 PNT 110 20,  
170 PNT 160 20**



- English
- Deutsch
- Français
- Español
- Italiano
- Addendum



**GROUPE SCHNEIDER**

■ Merlin Gerin ■ Modicon ■ Square D ■ Telemecanique

English

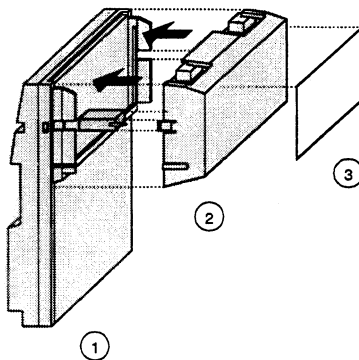
Deutsch

Français

Español

Italiano

Addendum



1. I/O base
2. Comm or CPU Adapter
3. Fill-in label

1. E/A-Einheit
2. Bus- oder CPU-Adapter
3. Schiebeschild

1. Embase
2. Communicateur ou module processeur
3. Etiquette d'identification

1. Unidad de E/S
2. Adaptador de bus
3. Etiqueta de inserción

1. Unità I/O
2. Adattore di bus o adattore CPU
3. Targetta per siglatura

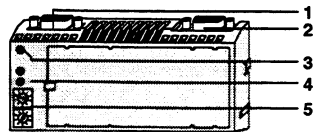
## User Information

This communication adapter is operable only when installed on an I/O base. Assembly and installation instructions are provided in the user manuals 870 USE 002 00 and 870 USE 103 00.

## Basic Data

Module type  
Transmission rate

Communication Adapter for Modbus Plus  
1 MB/s



1. Modbus Plus Port B
2. Modbus Plus Port A
3. Modbus Plus Communication Active (Green)
4. Communication Error Channel A and B (Red)
5. Rotary Switches for Network Address Settings

## LED Operations

LED	Indicator Pattern	Status
3	Six flashes/second	Normal operating state. All nodes on a healthy network flash this pattern.
	One flash/second	The node is off-line. After being in this state for 5 seconds, the node attempts to go to its normal operating state.
	Two flashes, then OFF for 2 seconds	The node detects the network token being passed among other nodes, but it never receives the token.
	Three flashes, then OFF for 1.7 seconds	The node does not detect any token passing on the network.
	Four flashes, then OFF for 1.4 seconds	The node has detected another node using the same address.
4	ON	Communications error at network port A or B (170 PNT 160 20 only)

### Setting the Network Node Address

The communication adapter's address is assigned in two locations: in a pair of rotary switches on the adapter's front panel, and in Peer Cop table and MSTR function blocks of the user's application program.

The address in the adapter's front panel switches must correspond to the address defined for that adapter in the application program. This is required to ensure that messages will be sent and received properly at the correct nodes across the network.

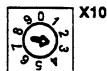
#### CAUTION



Do not install any adapter unless you have set its network address for your application. See your network administrator to get the node address for each adapter.

Node Address	Upper Switch	Lower Switch
1 ... 9	0	1 ... 9
10 ... 19	1	0 ... 9
20 ... 29	3	0 ... 9
30 ... 39	3	0 ... 9
40 ... 49	4	0 ... 9
50 ... 59	5	0 ... 9
60 ... 64	6	0 ... 4

The following example sets the address to 31.



**Related Documentation**

Documentation	Order Number
I/O Bases	870 USE 002 00
Modbus Plus Communication Adapter	870 USE 103 00

**Accessories**

Accessory	Order Number
Accessories for cabling (cable, tap, line terminator, ...)	see manual 870 USE 103 00 and 890 USE 100 00

**CAUTION**

The module's elements are sensitive to damage by static electricity.

Don't touch the module's internal elements.

Failure to observe this precaution can result in equipment damage.

**WARNING**

Hazardous electrical shock may result from improper grounding of the cables and accessories.

Refer to the electrical codes and safety requirements for your installation site.

Failure to observe this precaution can result in severe injury or equipment damage.

This product conforms to the environmental specifications of the I/O base upon which it is mounted. For environmental specification refer to the TSX Momentum I/O bases user manual 870 USE 002 00.

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Addendum

April, Modicon, Square D and Telemecanique are trade names of Groupe Schneider for automation products. These products are marketed worldwide: In the US by Square D, in Canada, Latin America, Africa, Asia/Pacific, the Middle East and Europe by Schneider; in Germany by AEG Schneider Automation; in China and Golf region by Schneider Automation Inc.; in South Africa by ASA Systems Automation; in Australia by Schneider Automation Pty. Ltd.; in Israel by Afcon Control & Automation Ltd. and in Switzerland by Schneider Electric and GSY Industrieautomation AG.

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