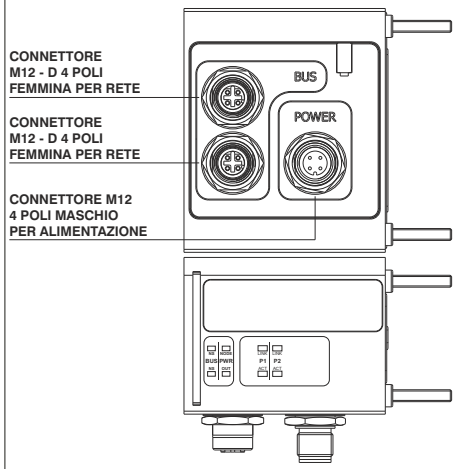
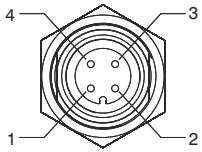
EtherNet/IP (Cod. 5725.32T.EI)

Alimentazione

L'alimentazione del nodo avviene mediante il connettore circolare da M12 a 4 poli maschio. La separazione tra il 24V del nodo ed il 24V delle uscite permette di spegnere le uscite lasciando il nodo alimentato.

ATTENZIONE: Se non si porta il 24VDC sul piedino dedicato all'alimentazione delle uscite (PIN 4 del connettore 4 poli) le elettrovalvole rimangono spente.



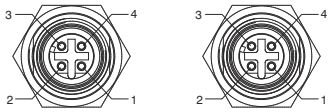


MASCHIO 4 P

PIN	DESCRIZIONE
1	+24 VDC (NODO E INGRESSI)
2	NC
3	GND
4	+24 VDC (USCITE)

Collegamento in rete

Il collegamento nella rete EtherNet/IP del nodo avviene mediante 2 connettori circolari femmina da M12 4 poli tipo D. I 2 connettori indirizzano il segnale a 2 distinte porte di comunicazione, per cui non sono in parallelo tra di loro.

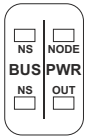


FEMMINA 4 P FEMMINA 4 P

PIN	SEGNALE	DESCRIZIONE
1	TX+	Ethernet Transmit High
2	RX+	Ethernet Receive High
3	TX -	Ethernet Transmit Low
4	RX -	Ethernet Receive Low

Configurazione

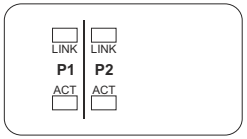
Indipendentemente dal numero di moduli ingressi collegati occorre dichiarare la seguente configurazione: 4 Bytes Out + 8 Bytes In
Come impostazione di fabbrica l'indirizzo di ciascun nodo è 192.168.10.2
Per modificare l'indirizzo IP occorre collegare il nodo ad un PC ed aprire con un web browser la pagina http://192.168.10.2/ipconfig
Le credenziali di accesso sono user : admin ; password : admin



Indicatori di stato (Nodo + alimentazioni)

Lo slave EtherNet/IP è dotato di 4 LED indicanti lo stato del dispositivo secondo quanto qui di seguito schematizzato:

PWR	Node	led verde: segnala l'alimentazione di nodo e ingressi
	Out	led verde: segnala l'alimentazione delle uscite
BUS	NS	led verde: ON: the device has at least one established connection (even to the Message Router) FLASHING: the device has no established connections, but has obtained an IP address
	NS	led rosso: ON: the device has detected that its IP address is already in use FLASHING: one or more of the connections in which the device is the target has timed out
	-	OFF: the device does not have an IP address
	NS + NS	led verde + led rosso: FLASHING: the device is performing its power up testing.



Indicatori di stato (Porte)

Lo slave EtherNet/IP è dotato di 4 LED indicanti lo stato delle porte di comunicazione secondo quanto qui di seguito schematizzato:

led verde (Link)	descrizione
OFF	The Device has no connection to the Ethernet
ON	A connection to the Ethernet exists
led giallo (ACT)	**descrizione**
FLASHING	The device sends/receives Ethernet frames

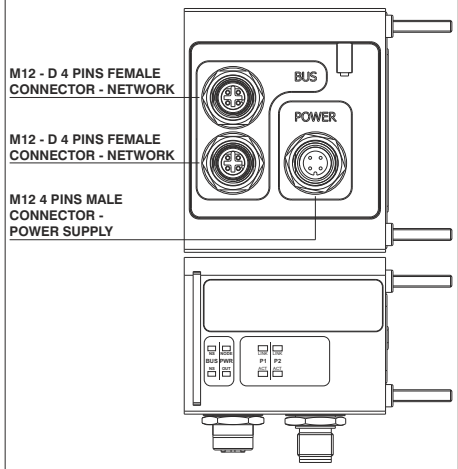
Il file .eds per la configurazione del nodo è scaricabile dal sito www.pneumaxspa.com

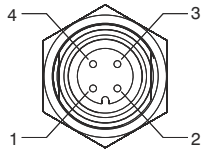
EtherNet/IP (Cod. 5725.32T.EI)

Electric supply

The node electric supply is achieved via a round M12, 4 pins male connector. As the electric supply 24V to the node is kept separate from the electric supply 24V to the outputs it is possible to turn off the outputs keeping the node on.

ATTENTION: If the 24VDC is not connected to outputs power supply pin (pin 4 of 4 pin connector) solenoid valves are turned off.



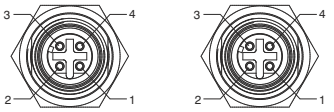


MALE 4 P

PIN	DESCRIPTION
1	+24 VDC (NODE & INPUTS)
2	NC
3	GND
4	+24 VDC (OUTPUTS)

Connection to the network

Connection to Bus EtherNet/IP is possible via 2 M12 4P D type female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

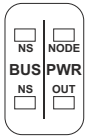


FEMALE 4 P FEMALE 4 P

PIN	SIGNAL	DESCRIPTION
1	TX+	Ethernet Transmit High
2	RX+	Ethernet Receive High
3	TX -	Ethernet Transmit Low
4	RX -	Ethernet Receive Low

Configuration

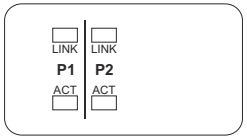
Regardless the number of INPUTS modules connected it's needed to declare the following configuration: 4 Bytes Out + 8 Bytes In
As factory default the address of each node is 192.168.10.2
To modify the IP address connect the node to a PC and open with a web browser the page http://192.168.10.2/ipconfig
Login credentials are user : admin ; password : admin



Status indicators (Node + power supply)

The EtherNet/IP slave is fitted with 4 LEDS which indicate the device working state as follows:

PWR	Node	green LED: indicates power supply of node+INPUTS
	Out	green LED: indicates power supply of OUTPUTS
BUS	NS	green LED: ON: the device has at least one established connection (even to the Message Router) FLASHING: the device has no established connections, but has obtained an IP address
	NS	Red LED: ON: the device has detected that its IP address is already in use FLASHING: one or more of the connections in which the device is the target has timed out
	-	OFF: the device does not have an IP address
	NS + NS	green LED + red LED: FLASHING: the device is performing its power up testing.



Status indicator (Ports)

The EtherNet/IP slave is fitted with 4 LEDS which indicate the device working state of communication ports as follows:

green LED (Link)	description
OFF	The Device has no connection to the Ethernet
ON	A connection to the Ethernet exists
yellow LED (ACT)	**description**
FLASHING	The device sends/receives Ethernet frames

The .eds file for node configuration is downloadable from www.pneumaxspa.com

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