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IDENTIFICATION SYSTEMS

Network interface card

BRMO 80 / MB-TCP

DESCRIPTION

BRMO 80 / MB-TCP is a network interface system that can manage 2 until 8 MOF RFID readers simultaneously. It can ensure automatic reads of UID (unique identifier) or 8 bytes in TAG memory.

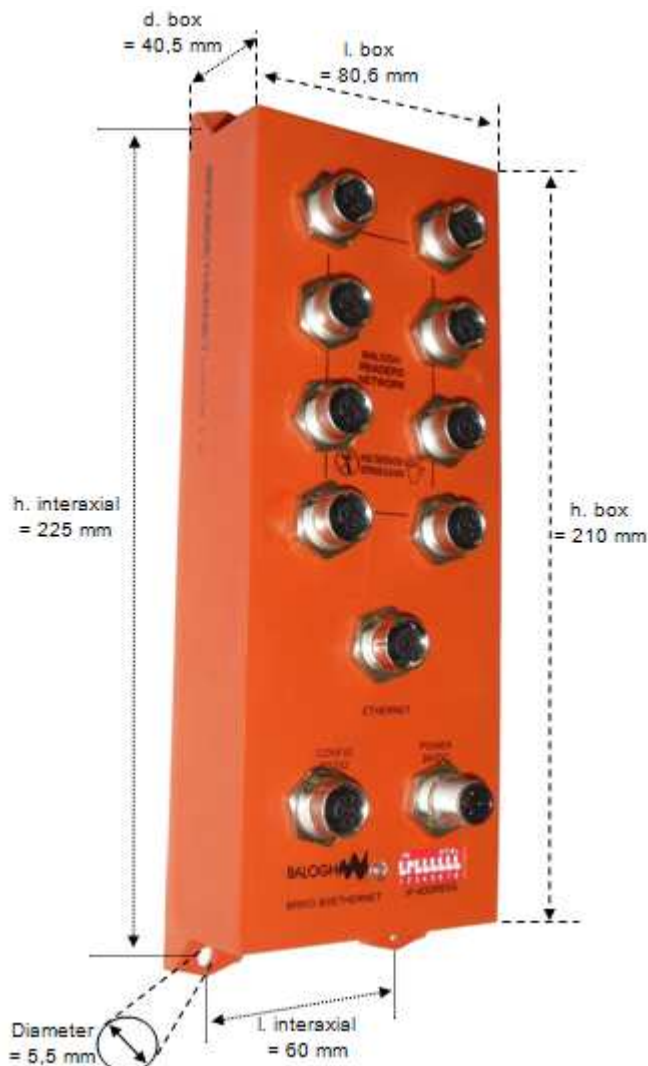
It could be configured into 3 modes :

- transparent => supervisor can send read/write commands to each reader through BRMO 80
- automatic => the read UID or memory sector is automatically returned to supervisor
- automatic/transparent => thanks a specific command supervisor can switch between the 2 previous modes

Exchanges with supervisor are done over a Ethernet link (10/100 Mbauds) where Modbus/TCP protocol is used.

RFID readers network use a RS485 bus (at 57600 bauds without parity) with Modbus® / Jbus® protocol.

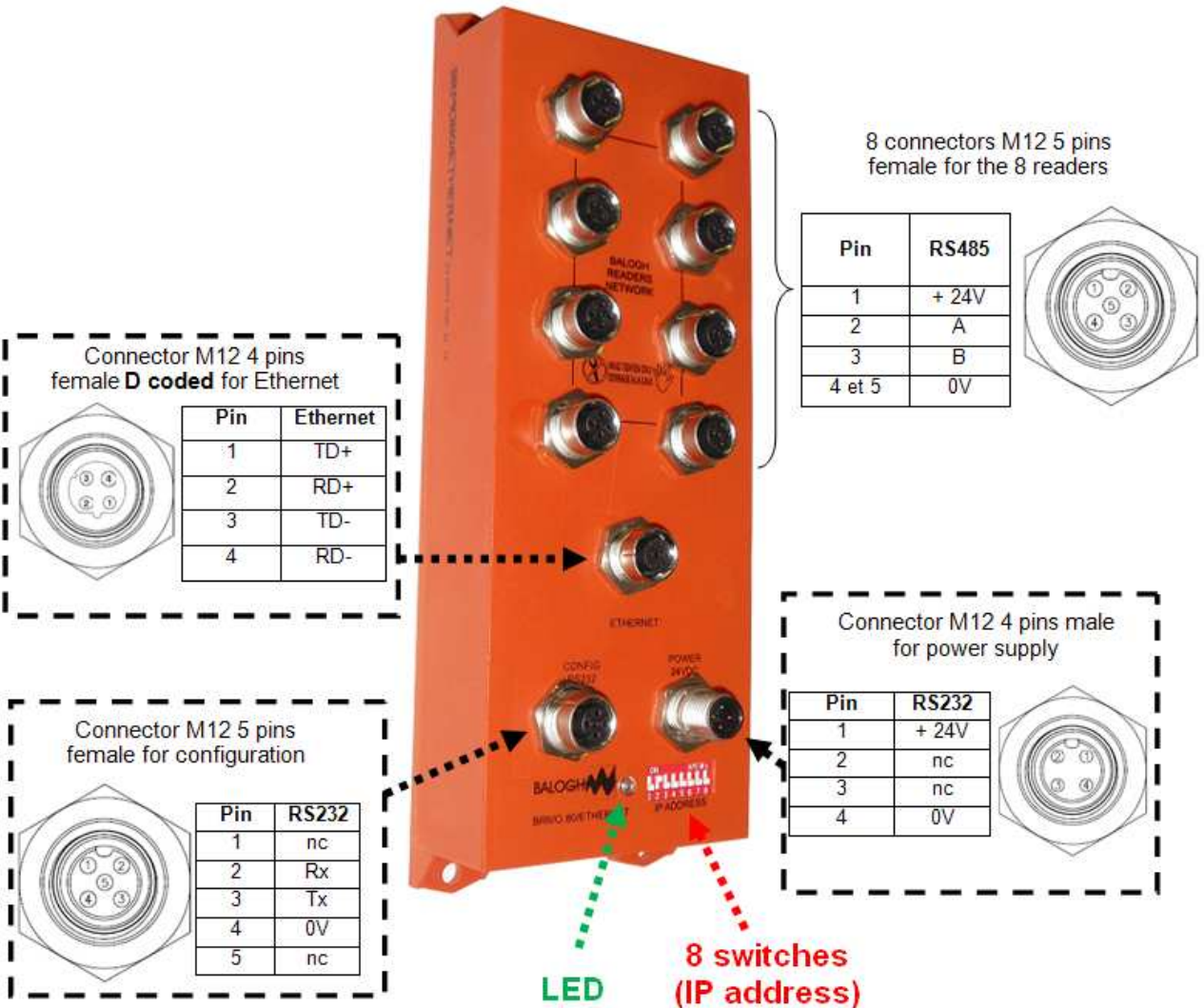
DATA FOR ASSEMBLY



CONNECTIONS

- Shield connection for cables connected to the sockets (all are M12 type, female except 24V) :
- Power supply: no shield. Serial link: optional shield.
 - Network: the overall shield must be in contact over 360° to the metallic cable connector housing.
 - MOF readers: refer to the reader data sheet for cable requirements;
 - cables with overall shield: the overall shield must compulsorily be in contact over 360° to the metallic cable connector housing.
 - cables with overall shield + shielded pairs: the overall shield must compulsorily be in contact over 360° to the metallic cable connector housing, while the pair shields are connected to pin 5 (optional);
 - cables with shielded pairs, without overall shield: the pair shields must be connected to the metallic cable connector housing.

CONNECTIONS



LED SWITCHES

Indicator LED:

At power on, the led is successively orange, green, red and stays green.
 During automatic BRMO 80 reboot (change of configuration), led blinks in orange until it reboots.
 When a dysfunctioning is detected, the led lights in red as long as the problem exists.

Switches function:

BRMO 80 / MB-TCP has 8 switches so as to set the last digit of the device IP address.
 Other network parameters (network address, mask address ...) are modifiable thanks to configuration interface on RS232 link.