



## IDENTIFICATION SYSTEMS

Network Interface  
**BRMO 80/ETH-IP**

### DESCRIPTION

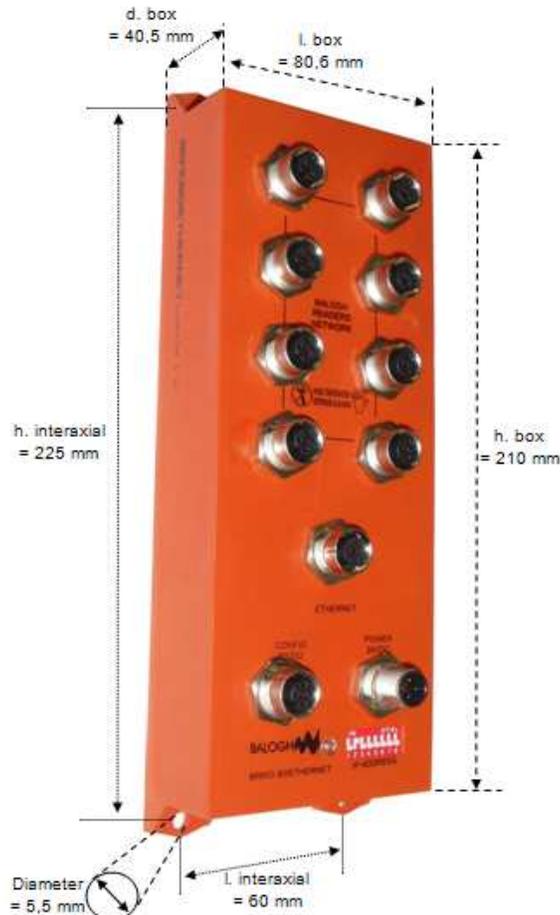
The BRMO 80/ETH-IP is a EtherNet/IP interface that can control up to 8 BALOGH MOF mono-bloc readers simultaneously. The BRMO 80 has 3 user configurable modes of communication and has a bank of 8 dip switches to set the units last octet of the IP address.

Communication Modes:

- Direct                      Send Read/Write commands from host controller to each MOF reader through the BRMO 80.
- Automatic                 Reads the UID (unique identifier) or a specific 8 byte bloc of the tags memory.
- Automatic/Direct        Can switch between the two previous modes with a specific command.

The MOF readers communicate via a RS485 network(57600 baud without parity) using ModBus®/Jbus® protocol.

### DATA FOR ASSEMBLY

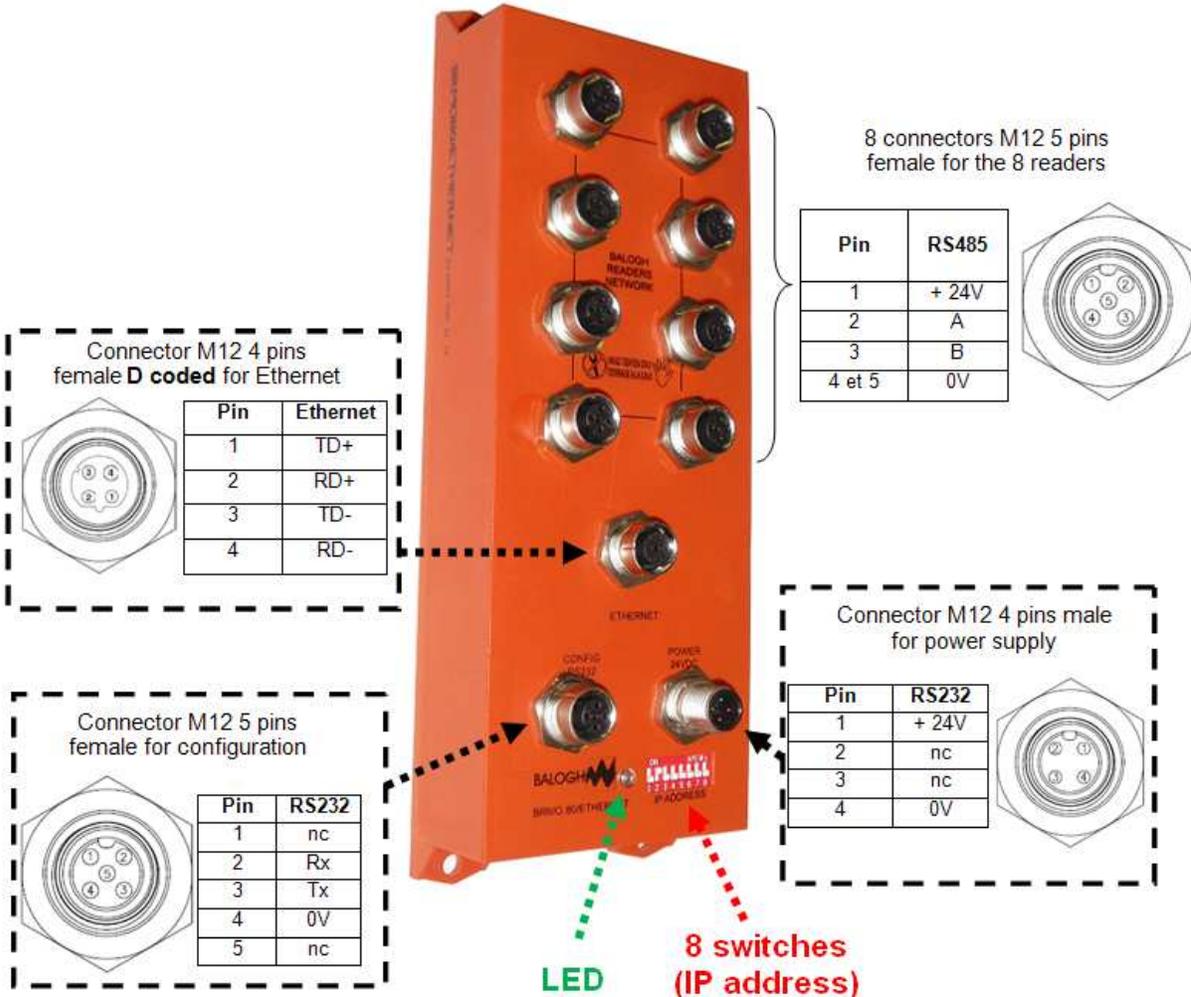


MODBUS is proprietary brand of Modicon, JBUS of April.

# 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 BRM0 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:

BRM0 80 / ETH-IP 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.