1-WIRE RS485 Modbus

CE

µLAN Controller E7718

Features

- µLAN network controller
- EIA 485 Modbus RTU slave device
- Compact and robust design
- IP65 water and dust protected
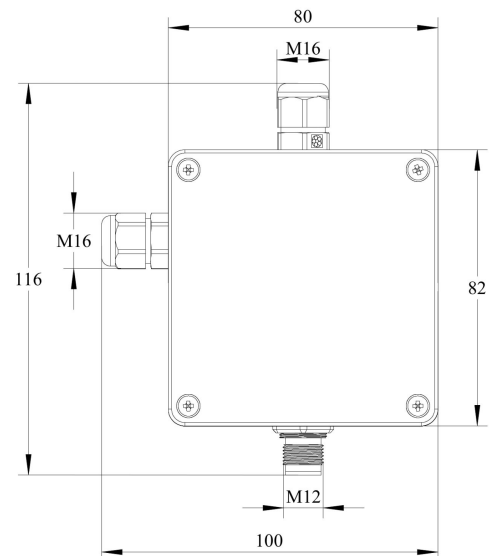- Fast and easy installation

Description

E7718 controller operates as 1-wire master device, performing µLAN network analysis and regularly polling for data from 1-wire sensors.

The instrument implements dynamic register assignment for sensors data, allowing to build very flexible and complex 1-wire digital sensor network. A system involving hundreds of sensors may be easily implemented, provided that the total length of the path, active at any moment, does not exceed 100 m.
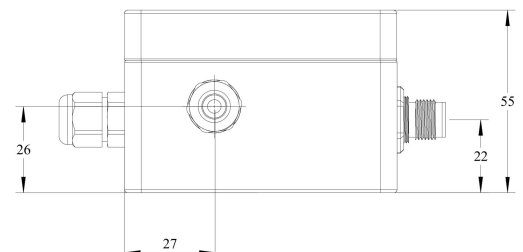
E7718 acts also as RS485 Modbus RTU slave device, storing and providing measurement data for an automation system.

The controller is fully weather and dust protected and complies with ATEX requirements for Zone 20 and Zone 21 installations in grain silos. The innovative design provides robustness and extremely fast and easy installation.

Specifications

Power supply	12….36 VDC, 24 VDC nominal, 100 mA max
Enclosure	ABS, wall-mount fixing brackets
Dimensions	82×85×55 mm
Operation range	-40…+85℃, 0...99% RH
Protection class	IP65
Connections	M12 male IP68 4-pole connector for µLAN
	M16 IP68 cable gland, screw terminals for power / RS485
Recommended cabling	LiYY-TP (2×2 wire twisted pair)