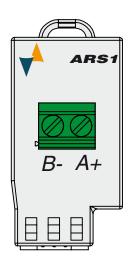


# NOT ISOLATED TTL TO RS485 CONVERTER



## Manual

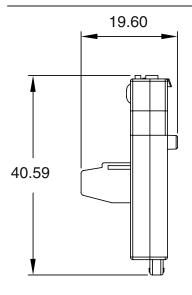
Code: ISTR-ARS1-3ENG01 - Vr. 1.0 (ENG)

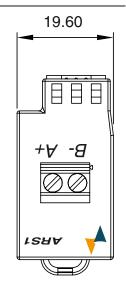
## Ascon Tecnologic S.r.l.

Viale Indipendenza 56, 27029 Vigevano (PV) - ITALY
Tel.: +39 0381 69871/FAX: +39 0381 698730
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e-mail: info@ascontecnologic.com

# **OUTLINE DIMENSIONS (mm)**

## 1.1 Dimensions





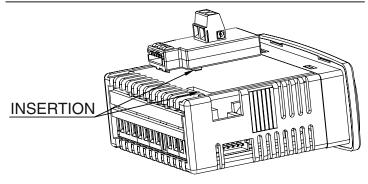
# 1.2 Mounting requirements

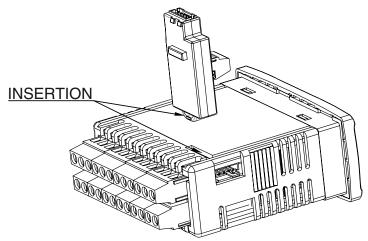
This instrument is intended for permanent installation, for indoor use only, in an electrical panel which encloses the rear housing, exposed terminals and wiring on the back.

Select a mounting location having the following characteristics:

- 1. It should be easily accessible;
- 2. There is minimum vibrations and no impact;
- 3. There are no corrosive gases;
- 4. There are no water or other fluids (i.e. condensation);
- **5.** The ambient temperature is in accordance with the operative temperature (0... 50°C);
- **6.** The relative humidity is in accordance with the instrument specifications (20... 85%);

# 1.3 Fixing modes





# **2 CONNECTION DIAGRAM**

# 2.1 General notes about wiring

- 1. Do not run RS485 wires together with power cables.
- 2. When a shielded cable is used, it should be connected at one point only.

## 2.2 TTL connection

#### 2.2.1 CATTL D011 Cable

Identification: Both side with a black tube



#### To be used with models:

- X31, X33, X34;
- TLY 35;
- TLK 38, TLK 39;
- K38, K39.

#### 2.2.2 CATTL I011 Cable

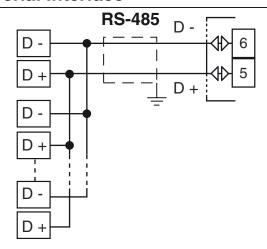
**Identification:** One side with a black tube and one side with red tube.



#### To be used with models:

- Z30, Z31;
- Y33, Y39,W09;
- TLY25, TLY 27, TLY28, TLY 29;
- TLB30;
- TLW24;
- R38.

## 2.3 Serial Interface



Interface type: NOT Isolated RS-485; Voltage levels: According to EIA standard.

**Notes:** 1. RS-485 interface allows to connect up to 30 devices with one remote master unit.

2. The cable length must not exceed 1.5 km at 9600 baud.

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