

# ISOLATED COMMUNICATION ADAPTER

## ACTTL/232-DIN

## AND KTTL/ACC KIT

### ACTTL/232-DIN

ACTTL/232-DIN is an interface between TTL and RS232-c line level.

It may be used to communicate a TTL elevator controller port to a PC, to an IML2D50L position indicator or to an AV51FA voice annunciator.

The state of the transmission and reception lines at the TTL side is signaled with LEDs.

#### **PIN DEFINITION**

TTL side, terminal label:

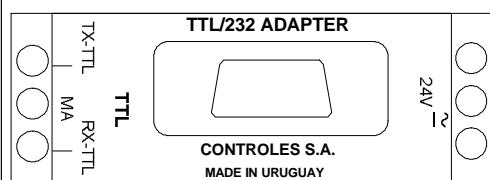
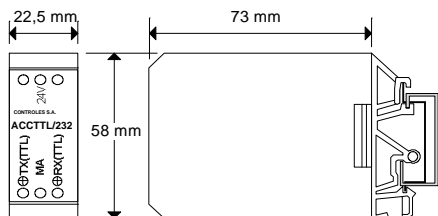
common:	MA
transmission:	TX-TTL
reception:	RX-TTL

RS232-c side, pin at the DB9-S connector:

common:	5
transmission:	2
reception:	3

#### **POWER SUPPLY**

24 V +/- 20%, AC (45/65 Hz) or DC, terminals MA (-) y 24V (+)



MADE IN URUGUAY

### KTTL-ACC

This kit is useful to transmit commands from controller TTL ports to position indicators IML2D50L and voice annunciators AV51FA.

The kit includes:

- ACTTL/232-DIN adapter
- Flat cable from TTL port to the adapter
- DB9-P line connector

ACTTL/232-DIN supplies optical isolation between TTL and RS232 sides. This is a very valuable characteristic that protects the controller against any problem at the line side. The ACTTL/232-DIN must be mounted near the controller. Terminal MA of the adapter must be permanently wired to terminal MA of the controller before any other connection be done.

The flat cable connector is inserted at the TTL port. Pin 1 at the connector is the upper-right one. The other end of this cable must be connected to the adapter as follows:

- black wire (pin 4 at TTL port) and white wire (pin 1 at TTL port) to pin MA of the adapter
- red wire (pin 3 at TTL port) to pin RX-TTL of the adapter.

The line from the adapter to the indicators is a two conductor shielded cable. The shield is grounded at the controller side only, to one of the mounting screws of the board to the aluminum base.

The common wire at the line (pin 5 at the DB9-P) is connected to pin 0V of the indicator.

The Tx line (pin 2 at the DB9-p) is connected to pin Rx of the indicator.

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