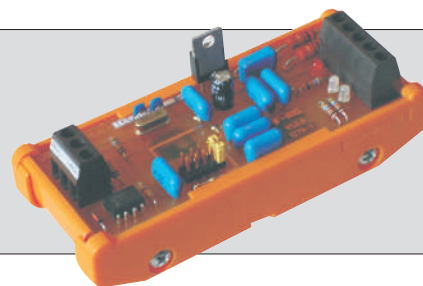# IF-IRIG
PROTOCOL CONVERTER

INPUTS AND OUTPUTS
IRIG-B side
Terminals: IRIG+ and IRIG-
RS232 side
Terminals: TX, 1PPS, GND

POWER SUPPLY
Voltage: 24 Vdc ± 20 %
Current consumption: 75 mA @ 24 Vdc
Terminals: 0 V, 24 V

INDICATION
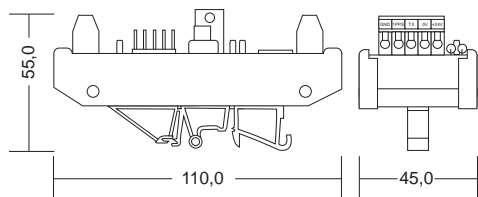4 indication leds:

ON   Red led:
     indicates the power supply
TX   Bicolour led:
     indicates the serial
     transmission to the CPU
1PPS   Bicolour led:
     indicates the synchronization
     pulse transmission to the CPU
SINC   Green led:
     indicates that is receiving an
     IRIG signal correctly

PRESENTATION
Plastic support for DIN rail
Weight: 80g
Dimensions:

FUNCTION
Protocol conversion between an IRIG-B data source and the IRIG synchronization module of the RTUQM system.

FEATURES
• Input signal IRIG-B 002 or IRIG-B 003 (TTL demodulated with or without SBS signal).
• Standard IRIG 200-98 (without year information) or IRIG 200-04 (with year information), configurable by the user.
• The data are transmitted through TX every second.

CONNECTION
IRIG-B side:
     IRIG+, IRIG-   Data reception from the master clock

RS232 side:
     TX   Data transmission to the RS232 port
     1PPS   Synchronization pulse, 1 per second
     GND   Signal ground
     0V   Power supply 0 V
     24V   Power supply 24 Vdc

APPLICATION
Signal converter from IRIG-B signals to RS232 signals in RTU587