

HIGH SAFETY LEVEL CONTROLLER

MODEL 231-1

CONDUCTIVITY CONTROLLER FOR MAXIMUM LEVEL ALARM WITH SELF-CHECKING AND BLOCKING (SIL-2) 2014/68/UE (PED) – B+D

DESCRIPTION

Electronic controller with self-diagnosis for high level alarm and system blocking according to European directive 2014/68/EU (PED) with certificate B+D (SIL-2).

To be used together with the 800 series probe for high level alarm in steam boilers or other pressure equipment requiring a redundant level alarm system.

TECHNICAL FEATURES

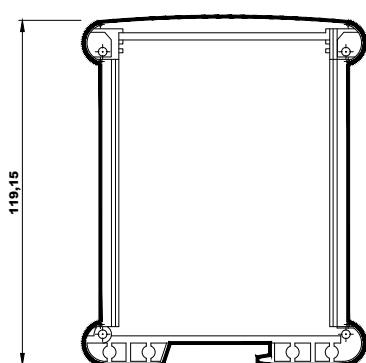


SAFETY INTEGRITY LEVEL	SIL 2
ELECTRONIC PROCESSOR	Digital signal
DOUBLE CIRCUIT FOR CONDUCTIVITY MEASUREMENT	With compensation electrode
6 DIFFERENT SELF-DIAGNOSTICS	1 minute periodicity
LOCKOUT CIRCUIT	Positive safety burner
NUMERICAL DISPLAY	With alarm code
TEST BUTTON	Manual in standard version
OUTPUT RELAYS	2 switched relays 230V – 2.5 A - AC1
MINIMUM WATER CONDUCTIVITY	0.5 µS/cm.
POWER SUPPLY	24V AC/DC – 115 / 230 VAC
POWER CONSUMPTION	3 VA

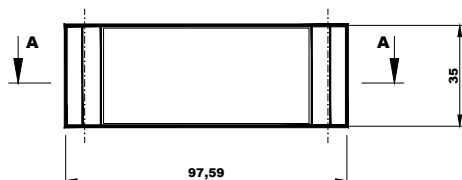
HIGH SAFETY LEVEL CONTROLLER

WARNING
To terminals 13 and 14
only connect wires co-
ming from the probe 800

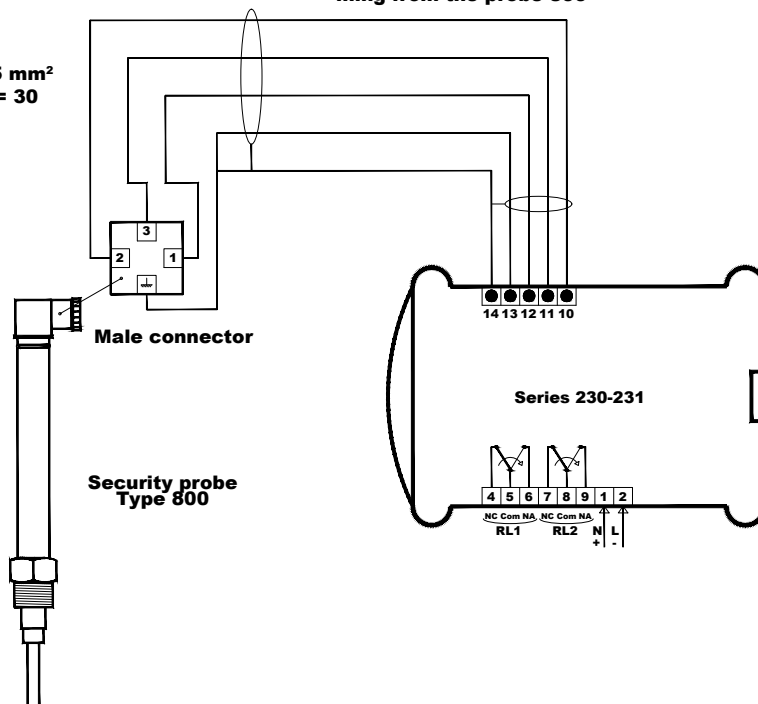
Typical Wire
4 x 0.5 or 4 x 0.25 mm²
+ jacket 3m<L<= 30



SECTION A-A



DIMENSIONS



WIRING DIAGRAM

