

CONTROLLER

MODEL 200

LEVEL CONTROLLER FOR CONDUCTIVE ELECTRODES



DESCRIPTION

Electronic controller series 200 for use with electrode holders and conductive electrodes.

For use in ON - OFF level controls in tanks with fluids compatible with the materials of manufacture.

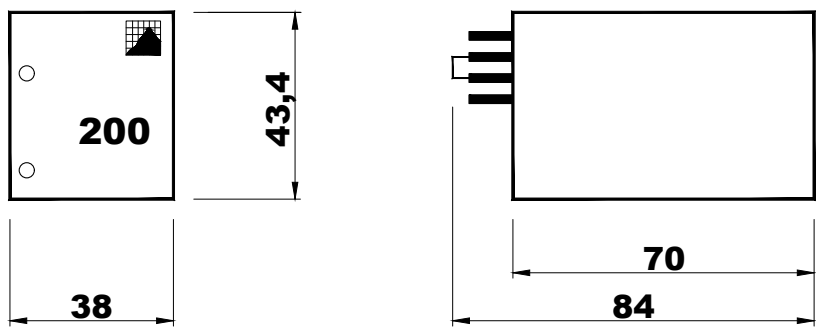
TECHNICAL FEATURES

ELECTRICAL CONNECTION	Plug-in type; 8-pin decal base
PROTECTION RATING	IP40
INTERNAL COMPONENTS	Surface mount technology (SMD)
FRONT LEDS	Green: power supply Red: contact status indication
SENSITIVITY	Standard 10 µS - 10 000 µS on request 1 µS - 20 µS / 0.3 µS - 2 µS
CONTACT	N.A. - 5 A - 230V c.a.
POWER SUPPLY	24 o 110 or 230 V c.a.
FREQUENCY	50 - 60 Hz
POWER CONSUMPTION	5 VA (ac model)
WEIGHT	220 g

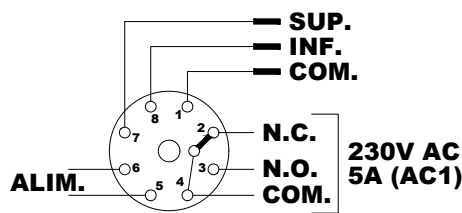
MAIN APPLICATIONS

· Steam boilers	· Wells, basins, autoclaves, tanks
· Pumping stations	· Irrigation systems
· Thermal power stations	· Bottling and filling machines
· Storage of beverages and food liquids	· General food plants
· Water treatment plants	· Protection against dry running of pumps

CONTROLLER



DIMENSIONS



WIRING DIAGRAM

LEVEL SWITCH

MODEL 203

LEVEL CONTROLLER FOR CONDUCTIVE ELECTRODES DIN RAIL MOUNTING



DESCRIPTION

Electronic controller series 203 for use with electrode holders and conductive electrodes.

For use in ON - OFF level controls in tanks with fluids compatible with the materials of compatible with the materials of manufacture.

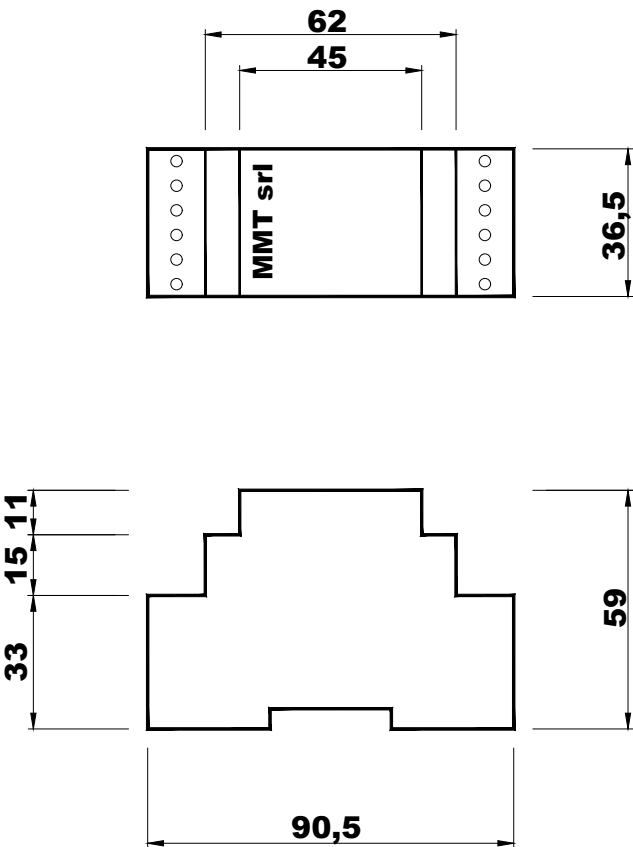
TECHNICAL FEATURES

ELECTRICAL CONNECTION	Terminal block
PROTECTION RATING	IP30
INTERNAL COMPONENTS	Surface mount technology (SMD)
FRONT LEDS	Green: power supply
SENSITIVITY	Standard 10 μ S - 10 000 μ S on request 1 μ S - 20 μ S / 0.3 μ S - 2 μ S
CONTACT	N.A. - 5 A - 230V c.a.
POWER SUPPLY	24 or 110 o 230 V c.a.
FREQUENCY	50 - 60 Hz
POWER CONSUMPTION	5 VA (model ac)
WEIGHT	190 g

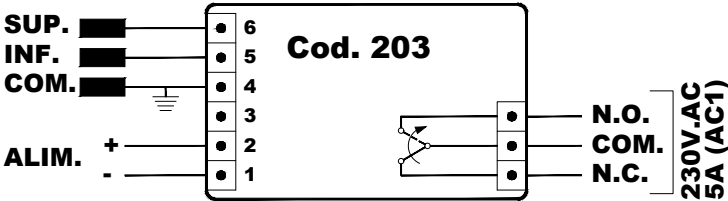
MAIN APPLICATIONS

· Steam boilers	· Wells, basins, autoclaves, tanks
· Pumping stations	· Irrigation systems
· Thermal power plants	· Bottling and filling machines
· Storage of beverages and food liquids	· Food plants in general
· Water treatment plants	· Pump dry run protection

LEVEL SWITCH



WIRING DIAGRAM



HIGH SAFETY LEVEL PROBE

MODEL 800

HIGH SAFETY LEVEL SENSOR FOR BOILERS
ACCORDING TO DIRECTIVE 2014/68/UE (PED) – CERTIFIED B+D

DESCRIPTION

The 800 series high safety conductive level probe is used in conjunction with the 210, 211, 230-1 and 231-1 series level controllers (SIL 2) or with the 220, 221, 230 and 231 series controllers (SIL 3) as a low level or high level alarm mainly in steam boilers or other pressure vessels and equipment with a need for a redundant level alarm system.



TECHNICAL FEATURES

OPERATING PRINCIPLE	Conductivity
PROBE BODY	AISI 303 stainless steel
CONNECTION	BSP thread
AVAILABLE CONNECTION SIZES	1/2" and 3/4"
ELECTRICAL CONNECTION	According to DIN 43650-A with PG11 cable gland
MECHANICAL PROTECTION	IP 65
TEMPERATURE	220°C at electrode
OPERATING PRESSURE	32 bar
OPERATING TEMPERATURE	239°C
ELECTRODE	AISI 303
ELECTRODE LENGTHS AVAILABLE	500 mm – 1000 mm
WEIGHT	400 g

HIGH SAFETY LEVEL PROBE

Female connector

Connector DIN 43650A

Male

Distance tube

Wrench 27 or 32

Threaded connection

Ø ½" gas or ¾" gas

Electrode of reference

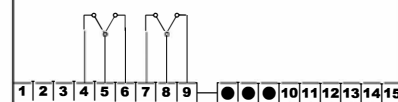
Threaded electrode 8 MA

175

261

86

SERIE-210 / 211



Power Supply

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

WARNING
To terminals 13 and
14 only connect
wires coming from
the probe 800

Female connector



MULTI-ELECTRODE PROBE FOR LEVEL CONTROL

MODEL 710

CONDUCTIVE 4-ELECTRODE PROBE FOR HIGH PRESSURE AND TEMPERATURE LEVEL CONTROL PRESSURE AND TEMPERATURE WITH ASSOCIATED 200 SERIES REGULATOR

DESCRIPTION



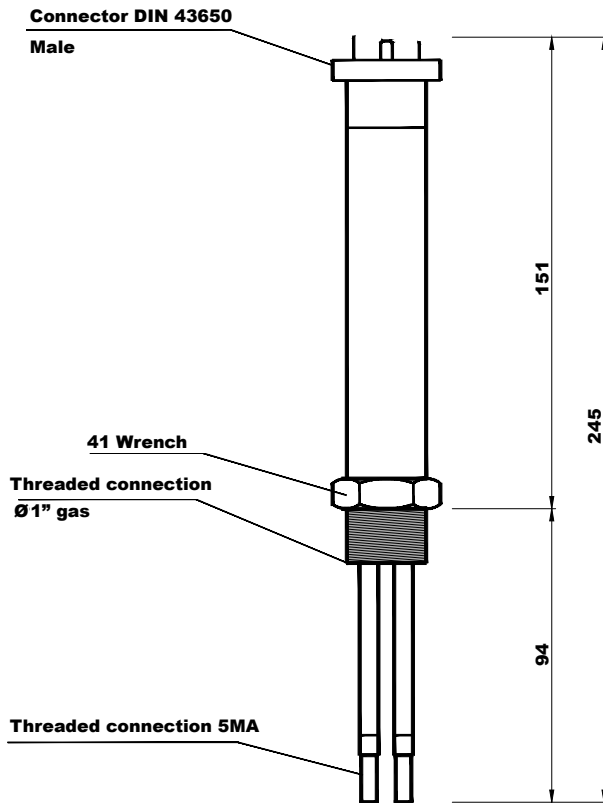
La sonda compacta de nivel de 4 electrodos serie 710 se puede utilizar con los reguladores de nivel serie 200 para control ON-OFF en equipos a alta presión y temperatura, principalmente en calderas de vapor, tanques de condensados y depósitos de procesos con fluidos conductivos. Su fabricación completamente en acero inoxidable la habilita para su uso en cualquier tipo de industria y aplicación.

El cuerpo de la sonda se conecta a tierra mediante la rosca del cuerpo de la sonda, en depósitos plásticos se puede utilizar uno de los electrodos como común de tierra.

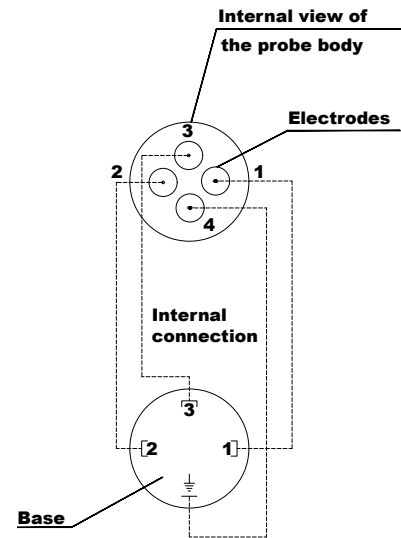
TECHNICAL FEATURES

ELECTRODE TYPE	Conductive
PROBE BODY	Stainless steel AISI 303
CONNECTION	BSP conical thread
CONNECTION SIZE	1"
ELECTRICAL CONNECTION	DIN 43650A with cable gland Pg9
MECHANICAL PROTECTION	IP 65
MAXIMUM WORKING PRESSURE	32 bar
MAXIMUM OPERATING TEMPERATURE	239°C at the electrodes
COATING	PTFE
ELECTRODE	AISI 303 - Ø 5mm L = 94mm
WEIGHT	750 g

MULTI-ELECTRODE PROBE FOR LEVEL CONTROL



DIMENSIONS



WIRING DIAGRAM

