



CONTROLLERS



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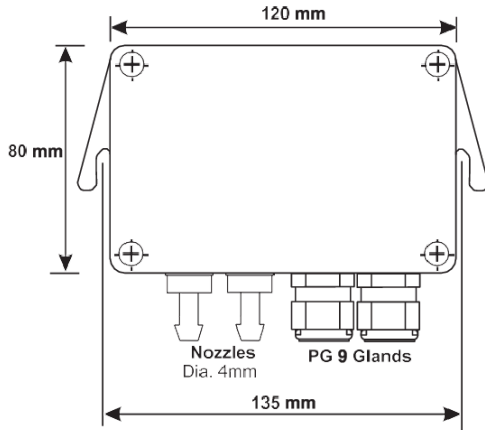
RTA-DPT-10M230V

Differential Pressure Transducer

0 to 10 mbar

0 to 10 Vdc

Dimensions



Reference Image



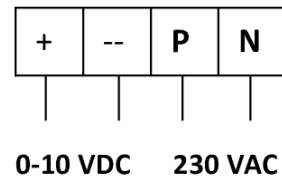
Electrical Data:

Auxiliary Supply Voltage	230VAC@50 Hz ±10%
Pressure Range	0 to 10 mbar
Output	0 to 10 VDC
Accuracy	1 % FS
Linearity Error	max 3%
Over Pressure	100 mbar
Burst Pressure	2 Bar
Operating Temperature	0 °C to 70°C
Storage Temperature	0 °C to 70°C
Display	NO

General Data:

Degree of Protection IP54

Wiring Diagram:



Mechanical Data:

Mounting	Through Clamp
Pressure Input	Through Nozzle
Nozzle Material	Brass
Nozzle Diameter	4mm
Pressure Connection	Through pipe O.D. 6.5 mm: I.D. 4 mm
Housing Material	Engineering Plastic-PC
Housing Size	120 x 80 x 56mm
Termination	Through PG 9 Gland

Connection Detail:

Terminal No.	Detail
N	230 Vac(~)
P	230 Vac (~)
+	V o/p
-	Gnd

RTA-DPT-25M230V

Differential Pressure Transducer

0 to 25 mbar

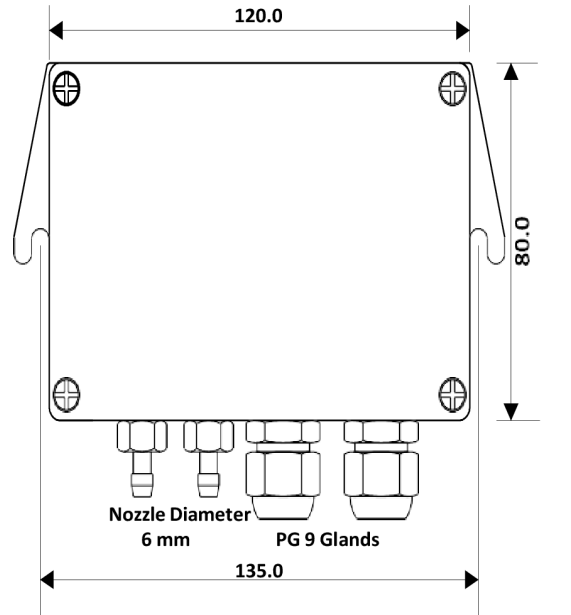
0 to 10 Vdc

General Specification



Degree of Protection

IP65



All dimensions are in mm

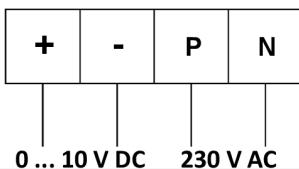
Mechanical Specification

Housing Size	120 x 80 x 56 mm
Housing Material	Engineering Plastic-PC
Mounting	Through Clamp
Pressure Input	Through Nozzle
Nozzle Diameter	6 mm
Nozzle Material	Brass
Pressure Connection	Through Pipe
	O.D. 6.5 mm: I.D. 4 mm
Termination	Through PG9 Gland
Operating Temperature	0°C ... 55°C
Storage Temperature	0°C ... 70°C

Electrical Specification

Operating Voltage	230 V AC @ 50 Hz ± 10%
Pressure Range	0 ... 25 mbar
Output	0 ... 10 V DC
Accuracy	1% FS
Linearity Error	Max. 1%
Over Pressure	1 Bar
Burst Pressure	± 1.5 Bar
Load Resistance	≥ 4.7 kΩ

Wiring Diagram



Connection Detail

Terminal No.	Detail
P	230 V AC (L)
N	230 V AC (N)
+	V O/P
-	GND

POWER SUPPLY RELAY UNITS



Power Relay 1 C/O

TECHNICAL SPECIFICATION:

Model: RTA RELAY 1 C/O	
Supply voltage	230V AC, 50Hz
Operating voltage range	90-285V AC, 50Hz
Power consumption	<3 VA
OUTPUTS	
Power supply for sensor	+24V DC, 0V DC; 100mA
Relay	1 C/O, 5A at 250V AC resistive load
SIGNAL INPUTS	
Sensor	NPN NO / PNP NO
Mounting	Din Rail



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POWER SUPPLY RELAY UNITS



Power Relay 2 C/O

TECHNICAL SPECIFICATION

Model: RTA RELAY 2 C/O	
Supply voltage range	230V AC, 50Hz
Operating voltage range	90-285V AC, 50Hz
Power consumption	<3VA
OUTPUTS	
Power supply for sensor	+24V DC, 0V DC; 100mA
Relay	2 C/O, 5A at 250V AC resistive load
SIGNAL INPUTS	
Sensor	NPN NO / PNP NO
Mounting	Din Rail



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TIMERS



Model: RTA-ODT-01	
Supply voltage	230 AC±20% 24 V DC±20%
Power consumption	2 VA, 0.75W max (for DC)
Set time	0.1s-10h adjustable
Timing accuracy	±0.02% of set time
Reset	Reset by power OFF
Power OFF time for reset	0.5 s
OUTPUT	
Relay	2 C/O relay contact rated at 5A@250V AC(Resistive load)



Model: RTA-ODT-02	
Supply voltage	230 AC±20% 24 V DC±20%
Power consumption	2 VA, 0.75W max (for DC)
Set time	0.1s-10h adjustable
Timing accuracy	±0.02% of set time
Reset	Reset by power OFF
Power OFF time for reset	0.5 s
OUTPUT	
Relay	2 C/O relay contact rated at 5A@250V AC(Resistive load)



Model: RTA-SSTDR	
Control voltage	24V DC ±20%
Unit current	<20mA @ 24V DC
Indication	Orange / Yellow
Protection	Reverse polarity
Interval time delay	1 - 15 Secs (Adjustable)
Time delay setting accuracy	±20%
OUTPUT	
Supply voltage	24V DC ±15%
Indication	Green LED
Load current	2A
Protection	a) Short circuit of load b) Inductive load dump Protection



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Model: RTA-CT-01	
Supply voltage	230V AC±20%
Power consumption	2VA
Forward & Reverse time	0.03-6m (Adjustable)
Pause time	0.1-60s (Adjustable)
Reset	Reset by power OFF
OUTPUT	
Relay	1 C/O relay contact rated at 7A@250V AC(Resistive load)



Model: RTA-CT-02	
Supply voltage	230V AC±20% OR 24V DC±20%
Power consumption	2 VA, 0.75W (For DC)
Set time	0.1s-10h adjustable
Timing accuracy	±0.02% of set time
Reset	Reset by power OFF
Relay state at power ON	ON
OUTPUT	
Relay	2 C/O relay contact rated at 5A@250V AC(Resistive load)



Model: RTA-CT-03	
Supply voltage	230V AC±20% OR 24V DC±20%
Power consumption	2 VA, 0.75W (For DC)
Set time	0.1s-10h adjustable
Timing accuracy	±0.02% of set time
Reset	Reset by power OFF
Relay state at power ON	OFF
OUTPUT	
Relay	2 C/O relay contact rated at 5A@250V AC(Resistive load)

Monitoring & Control Relay



TECHNICAL SPECIFICATION

Phase Monitoring Relay



Model: RTA PMR	
Nominal mains voltage	L-L : 400 V AC : L-N: 230 V AC
Minimum required device supply	L2-L3: 220 V AC
Monitoring parameters	Over voltage, Under voltage, Phase sequence and Phase loss
Operation mode	3 Phase 4 wire (L-N)
	3 Phase 3 wire (L-L)
Operating value setting range	Under voltage
	-30% to 0% of nominal
	L-L: 280-400
	L-N: 161-230
	Over voltage
	0% to 25% of nominal
	L-L: 400-500
	L-N: 230-288
Phase loss operation	<60% of nominal.
	For L-L: <240V AC,
	L-N: <138V AC
Start up delay	1/5s selectable by DIP switch
OUTPUTS	
Relay	2 SPDT
Mounting	DIN rail



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Speed Monitoring Relay - AC



TECHNICAL SPECIFICATION

Model: RTA SMR AC	
Supply voltage	230V AC, 50Hz
Operating voltage range	85-285V AC, 50Hz
Power consumption	< 3VA
OUTPUTS	
Power supply for sensor	+24V DC, 0V DC ; 50 mA
Power supply for trigger logic	+24V DC
Relay	1 C/O Contact rating: 250V AC, 10A resistive load
SIGNAL INPUTS	
Sensor	NPN NO / PNP NO
Trigger	+24V DC (TRG)
Mounting	DIN rail

Monitoring & Control Relay



Speed Monitoring Relay - DC

TECHNICAL SPECIFICATION



Model: RTA SMR DC	
Supply voltage	24V DC
Operating voltage range	19-28V DC
Power consumption	2W
OUTPUTS	
Power supply for sensor	+24V DC, 0V DC ; 50 mA
Relay	1 C/O Contact rating: 250V AC, 10A resistive load
SIGNAL INPUTS	
Sensor	NPN NO / PNP NO
Mounting	DIN rail

Sensor Timer

TECHNICAL SPECIFICATION

Model: RTA SMR DC	
Supply voltage	24V DC
Operating voltage range	19-28V DC
Power consumption	2W
OUTPUTS	
Power supply for sensor	+24V DC, 0V DC ; 50 mA
Relay	1 C/O Contact rating: 250V AC, 10A resistive load
SIGNAL INPUTS	
Sensor	NPN NO / PNP NO
Mounting	DIN rail



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