

XZBWR2STT24

programmable receiver - 4 PNP - 200 mA - 24 V DC - 2 pusbuttons - 6 LEDs



Main

Product or component type	Programmable receiver
Device application	Interface to PLC
Product compatibility	Radio transmitter XZBWE

Complementary

Function of module	Receiver unit for remote sensor
Number of transceivers	> 0...2 by ZigBee
Nominal output current	0.8 A at 24 V DC
Output type	Transistor PNP
Output contacts	4 PNP
Time delay range	0.5 s (- 15...15 %)
Starting time	<= 400 ms
Maximum switching current	200 mA DC
Minimum switching current	10 mA
[Us] rated supply voltage	24 V DC (- 15...20 %)
Voltage drop	<= 2 V (nominal output current <= 200 mA)
Communication port protocol	Zigbee green power at 2.4 GHz
Maximum sensing distance	25 m in a metal enclosure 100 m in free field
Response time	< 30 ms after sensor change
Number of channels	<= 2 per receiver
Utilisation category	DC-13 conforming to EN/IEC 60947-5-1
Power consumption in W	26 W DC
Breaking capacity	4.8 W per output
Short circuit protection	1 A by fast blow fuse
Operating position	Any position without derating
Electrical connection	2 conductors cable 0.14...1.5 mm² AWG 26...AWG 16 flexible with cable end conforming to IEC 60947-1 1 conductor cable 0.14...4 mm² AWG 26...AWG 12 flexible with cable end conforming to IEC 60947-1 2 conductors cable 0.14...1.5 mm² AWG 26...AWG 16 solid without cable end conforming to IEC 60947-1 1 conductor cable 0.14...2.5 mm² AWG 26...AWG 14 solid without cable end conforming to IEC 60947-1
Tightening torque	0.5...1 N.m conforming to EN/IEC 60947-1
Housing material	Self-extinguishing plastic
Status LED	Output active: 4 LEDs green Reception signal: 1 LED green and yellow Power ON: 1 LED green
Mounting support	Mounting plate 35 mm symmetrical DIN rail conforming to EN/IEC 60715
Rated short-duration power frequency withstand voltage	1 kV at 50 Hz conforming to EN/IEC 60947-5-1

[Uimp] rated impulse withstand voltage	0.8 kV
Width	36 mm
Height	108 mm
Depth	75 mm
Product weight	0.13 kg
Marking	CE

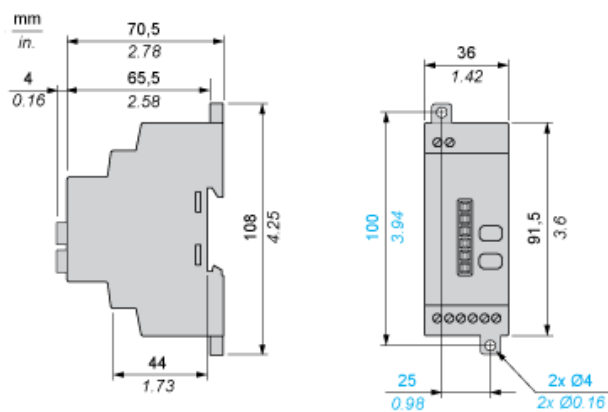
Environment

Surge withstand	Common mode: 1 kV conforming to IEC 61000-4-5 Differential mode: 0.5 kV conforming to IEC 61000-4-5
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1
Ambient air temperature for storage	-40...70 °C
Relative humidity	90 % without condensation (-20...55 °C) conforming to ETSI EN 300 328
Vibration resistance	2 gn (8...150 Hz) conforming to IEC 60068-2-6 +/- 7.5 mm (5...14 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn with 6000 shocks during 16 ms conforming to IEC 60068-2-27
IP degree of protection	Terminals: IP20 conforming to IEC 60529 Casing: IP20 conforming to IEC 60529
Pollution degree	2 conforming to IEC 60664-1
Overvoltage category	III conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to NF C 20-030
[Ui] rated insulation voltage	< 60 V conforming to IEC 60664-1
Electromagnetic compatibility	Immunity to microbreaks and voltage drops 7 ms conforming to IEC 61000-4-11 1.2/50 µs shock waves immunity test 1 kV common mode conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test 0.5 kV differential mode conforming to IEC 61000-4-5 Electrical fast transient/burst immunity test 1 kV PNP output wires conforming to IEC 61000-4-4 Radiated emission conforming to ETSI EN 300 328 Conducted emission conforming to ETSI EN 301 489-17 Radiated emission conforming to ETSI EN 301 489-17 Conducted RF disturbances 10 V conforming to IEC 61000-4-6 Electrical fast transient/burst immunity test 2 kV power supply wires conforming to IEC 61000-4-4 Susceptibility to electromagnetic fields 3 V/m, 1.4 MHz...2 GHz at 3 m conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields 10 V/m, 80 MHz...1 GHz at 3 m conforming to IEC 61000-4-3 Electrostatic discharge immunity test 6 kV on contact (on metal parts) conforming to IEC 61000-4-2 Electrostatic discharge immunity test 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 Conducted and radiated emissions class B conforming to CISPR 22 Immunity for industrial environments conforming to EN/IEC 61000-6-2

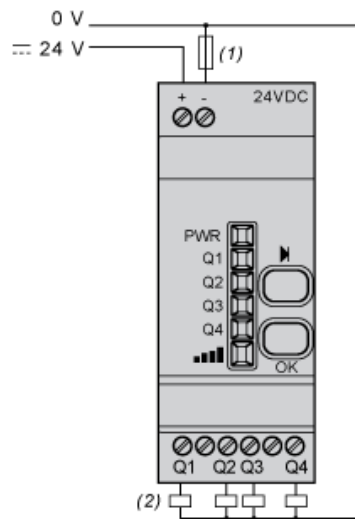
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1510 - Schneider Electric declaration of conformity

Receiver Dimensions

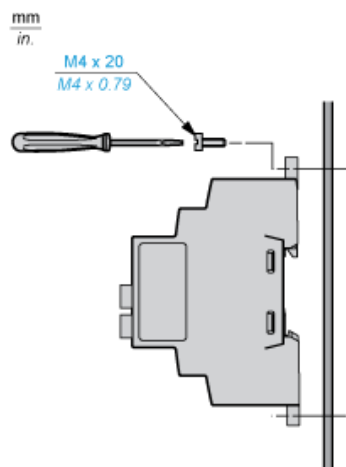


Receiver Wiring Diagram

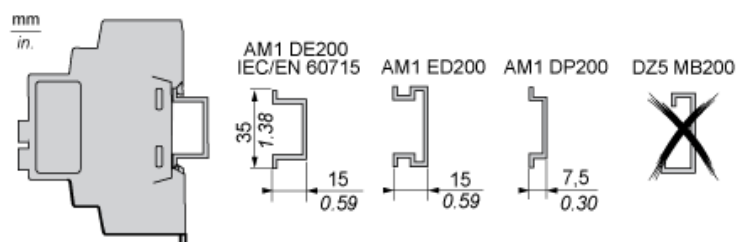


- (1) 400 mA fast-blow fuse
- (2) $I_{max} = 200 \text{ mA}$

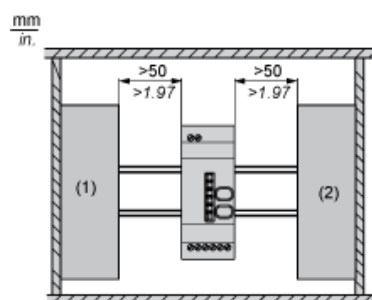
Receiver Mounting



Receiver Mounting

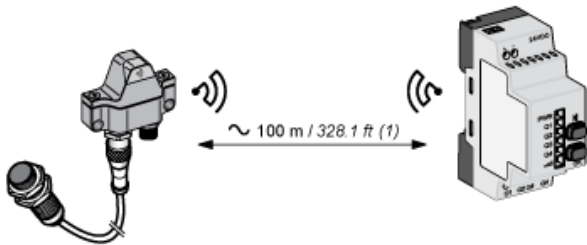


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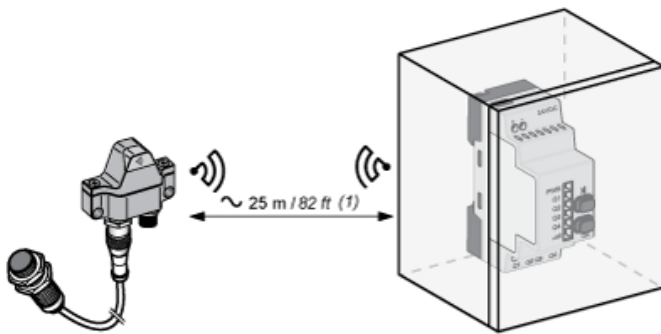
- (1) Drive
- (2) Power Supply or PLC

Unobstructed Mounting



(1) Typical values that may be modified by the application environment.

Mounting in a Metal Cabinet



(1) Typical values that may be modified by the application environment.