

Pressure sensors XM, pressure switch ACW 12  
bar, adjustable scale 2 thresholds, 1CO



## Main

|                                                         |                                                                                                   |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Range of product                                        | Telemecanique Pressure sensors XM                                                                 |
| Pressure sensor name                                    | ACW                                                                                               |
| Pressure sensor type                                    | Electromechanical pressure sensor                                                                 |
| Product specific application                            | For regulation between 2 thresholds                                                               |
| Scale type                                              | Adjustable differential                                                                           |
| Contacts type and composition                           | 1 C/O snap action                                                                                 |
| Cable entry                                             | 1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...13 mm conforming to NF C 68-300 |
| Fluid connection type                                   | G 1/4 (female) conforming to ISO 228                                                              |
| Materials in contact with fluid                         | Phosphor bronze                                                                                   |
| Pressure rating                                         | 12 bar                                                                                            |
| Adjustable range of switching point on falling pressure | 1.4...12 bar                                                                                      |
| Adjustable range of switching point on rising pressure  | 2.1...14 bar                                                                                      |
| Pressure actuator                                       | Bellows                                                                                           |
| Electrical circuit type                                 | Control circuit                                                                                   |

## Complementary

|                                               |                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|
| Electrical connection                         | Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2.5 mm <sup>2</sup>                |
| Controlled fluid                              | Air (-73...125 °C)<br>Hydraulic oil (-73...125 °C)<br>Non-corrosive fluid (-73...125 °C) |
| Short-circuit protection                      | 10 A cartridge fuse, type gG                                                             |
| Enclosure material                            | Zinc alloy                                                                               |
| Possible differential minimum at low setting  | 0.7 bar                                                                                  |
| Possible differential minimum at high setting | 0.7 bar                                                                                  |
| Possible differential maximum at low setting  | 2 bar                                                                                    |
| Possible differential maximum at high setting | 2 bar                                                                                    |
| Maximum permissible pressure - per cycle      | 17 bar                                                                                   |
| Mechanical durability                         | 1000000 cycles                                                                           |
| Setting                                       | External                                                                                 |
| Local display                                 | Without                                                                                  |
| Terminals description ISO n°1                 | (1-2)NC<br>(3-4)NO                                                                       |
| Width                                         | 88 mm                                                                                    |
| Height                                        | 167 mm                                                                                   |
| Depth                                         | 68 mm                                                                                    |
| Net weight                                    | 1.55 kg                                                                                  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Protective treatment                  | TC                           |
| Standards                             | CE<br>IEC 60947-5-1          |
| Product certifications                | UL recognized[RETURN]CSA     |
| IP degree of protection               | IP65 conforming to IEC 60529 |
| Ambient air temperature for operation | -56...85 °C                  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 8.0 cm  |
| Package 1 Width              | 10.0 cm |
| Package 1 Length             | 20.5 cm |
| Package 1 Weight             | 1.56 kg |

## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|