

An adaptation of the Remote Digital Transducer (RDT), the Contact Monitor is able to recognise the change state of critical contacts and therefore detect their closure or opening. Voltage-free contact outputs can be monitored to display customised alarm indications at a single remote location. Your most critical support equipment can therefore be continuously surveyed and you can be instantly alerted to alarm conditions.



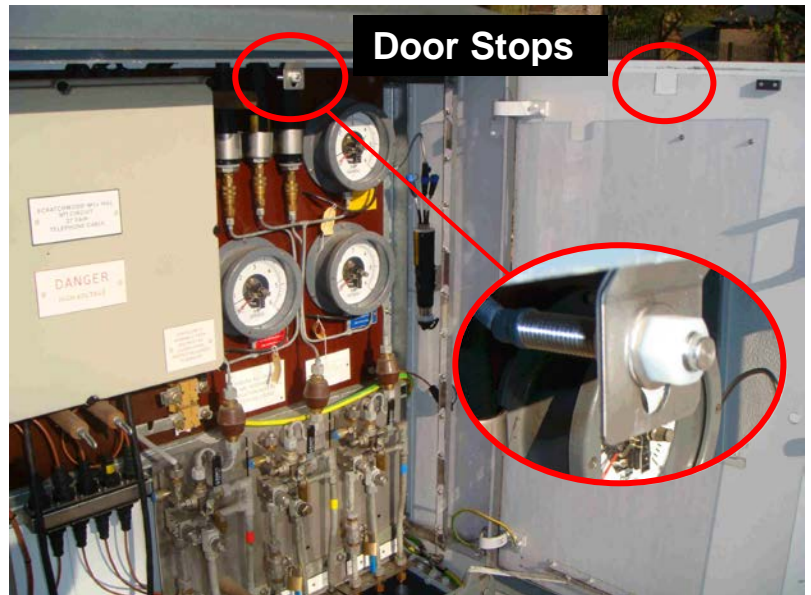
### Contact Transducer Design: Key Features

- Genuine two-wire digital multi-drop signalling.
- Signal and power is superimposed on the same line.
- Integrates with all RDT series transducers.
- Up to 100 individual mixed-type sensors can be addressed sequentially on each cable (twisted-pair cable).
- Fully compatible with Airmon network Monitoring systems
- Up to 3 contact sets can be monitored per device.
- Remote operation offering up to 15 kilometres range.
- Copper based or GSM/GPRS communications.
- Ergonomically designed PVDF enclosure.
- Resistant to corrosive effects of cable dielectric fluids.
- Environmental Protection: IP68 (2 metres immersion rating).
- 15kV induced voltage protection, for installation on auxiliary pilot cables of power circuits up to and including 400kV.
- Compatible with 20 years of Drallim pressurisation equipment and transducer development.

**OILMON  
RDT CONTACT  
MONITOR**

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The Drallim Voltage-Free Contact transducer is compatible with the full range of AIRMON and OILMON CABLE MONITORING equipment. Each contact monitoring device is a small cost effective remote 'change of state' security device offering 3 separate contacts which can be easily deployed to monitor, record and annunciate remote plant or equipment access, as well as environmental conditions such as water levels in roadside kiosks, pits basements or substation housing. The system can be accessed using either copper based auxiliary telemetry networks or GPRS technologies.

### Performance Specification:

| Parameter   | Description  |
|---|--|
| Number of contact per device:                           | 3  |
| Number of Contact Sensors per Line:                     | 99   |
| Temperature: Working Range                              | -10° C to 55° C (Operating Range).   |
| Power Input:  | 25 to 75V DC on single pair (polarity reversible).                           |
| Current drain:  | 130µA in idle/quiescent mode (Awaiting polling address),<br>3mA active mode. |
| Maximum number of mixed devices per pilot pair:         | 99   |
| Maximum Operating Range:<br>(Loop resistance <10k ohms) | 15 kilometres (unloaded twisted pair).<br>Multicore (unspecified).           |
| Poll time:  | 2.5 seconds per RDT (typically).   |
| Environmental Protection:                               | IP68 (up to 2 metres fully submerged).                                       |
| Electrical Conformity:                                  |  |
| Housing:  | PVDF: PolyVinylidene Diflouride.   |
| 'Quick-fit' Electrical Connection Plug & Socket:        | Tested to IP68 (2 metres).<br>15kV Induced Voltage Protection.               |
| RDT: Overall dimension:                                 | 240mm x 50mm   |
| RDT: Overall weight:                                    | 0.45 kilograms.  |