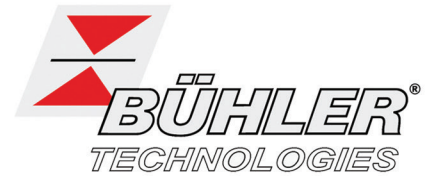
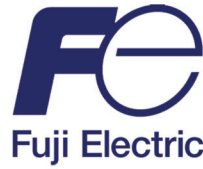




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# DRM Technic

Suppliers of Gas Analysis Equipment

## MOISTURE DETECTORS AND CONTROLLERS

These are used to alarm when damaging moisture breakthrough occurs in gas conditioning systems. They are installed in-situ; after the moisture is removed, they are dried by the gas stream.



### FEATURES

Maintenance free | Self-resetting | All models come with broken wire detection | Can be used with AGF-Filters | Specialised adaptors (types G and S) available

## PRODUCT DESCRIPTIONS AND TECHNICAL DRAWINGS

### MOISTURE DETECTORS

<p><b>FF-3-N</b> Detector for use in explosive applications</p>		<p><b>FF-40</b> Detector for use in pressures of up to 40 bar</p>	
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### CONTROLLERS

<p><b>ER-145/A/EX</b> - Intrinsic safe input - Long cables - Connectable to one FF-3-N detector</p>		<p><b>FF-HM</b> - Connectable to up to two FF-3-N detectors in parallel or one FF-40 - Potential-free outputs - Configurable lock mode</p>	
<p><b>FF-19</b> - Same specifications as the FF-HM controller - Specially designed for 19"-support</p>		<p><b>FF-x-U</b> - Wall mountable - Mono-stable Outputs - FF-1-U: connectable to one or two FF-3-U units - FF-3-U: Connectable to one FF-3-N or FF-40 - FF-3-U-2: Connectable to two FF-3-U</p>	

CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB

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## SPECIFICATIONS

### MOISTURE DETECTORS

Product No.	FF-3-N	FF-40
Materials	PVDF, 1.4571, Epoxy, 1.4576, PTFE	PE, 1.4571, Epoxy, 1.4576
Standard Cable Length	4 m, 4 x 0.34 <sup>2</sup>	4m, 2 x 0.25 <sup>2</sup>
Max. Operating Pressure	2 bar	40 bar
Max. Operating Temperature	3 °C to 50 °C	3 °C to 50 °C
Broken Write Detection	Yes	Yes

### MOISTURE DETECTOR CONTROLLERS

Product No.	FF-HM-230	FF-HM-24	FF-19	FF-x-U	ER-145/A/Ex
Power Supply	230 / 115 V AC 50/60 Hz	24 V DC ±10%	24 V DC ±10%	230 / 115 V AC 50 /60 Hz	230 V or 115 V AC; 48 ... 62 Hz
Output Max.	230 V, 2 A	24 V DC/AC, 2 A	24 V DC/AC, 2 A	230 V, 2 A	AC: 250 V, 5 A DC: 150 V, 5 A
Protection Class	IP 40 Terminals: IP 20	IP 40 Terminals: IP 20	IP 20 in attached state	-	IP 40, Terminals: IP 20
Ex-classification	-	-	-	-	II(1)G [Exx ia] IIC
Max. Cable Length	4 m / 13 ft	4 m / 13ft	-	4 m / 13 ft	70 m / 230 ft
Dimensions (mm)	70 x 75 x 109	70 x 75 x 109	8DU x 3 HU x 170	94 x 180 x 91	22.5 x 99 x 120
Ports	Terminals	Terminals	Strip DIN 41612 trip-type B	Terminals	Terminals

## OPTIONS AND ACCESSORIES

Product No.	Description	Product No.	Description
<b>Moisture Detectors</b>			
41 11 100	Moisture Detector FF-3-N (w/o cable)	41 11 020	Controller FF-HM-230
41 11 1000	Moisture Detector FF-3-N (w cable)	41 11 030	Controller FF-HM-24
41 89 699	Moisture Detector FF-40	41 11 017	Controller FF-1-U
<b>Adaptors</b>			
40 11 000	Adaptor type G (PVDF)	41 11 015	Controller FF-3-U
40 11 000 I	Adaptor type NPT1/4 (PVDF)	41 11 016	Controller FF-3-U-2
40 11 005	Adaptor type S (stainless steel)	41 11 012	Controller ER-145/A, 230V
		41 11 014	Controller ER-145/A, 155V
		41 11 040	Controller FF-19

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