

# MONITORING RELAYS

- *Three-Phase*
- *Voltage*
- *Current*
- *Level Control*



# Selection Guide - Monitoring Relays



## Crouzet's Monitoring Relays

In industrial and commercial installations, every device should be monitored by a Crouzet Monitoring Relay to optimize continuity of service. The control relay enables the operator to initiate maintenance operations or corrective actions to avoid expensive production shutdowns.


## Monitoring Relay Features

- Protect AC motors, HVAC Systems, Pumps, Conveyors, Packaging Machines and other loads.
- Many Options: Three-phase and single phase, voltage, current, level monitoring
- UL, CCC and CE certified


### ELECTRICAL MONITORING

Type	Function	Measuring Range	Output
 <b>Three-Phase</b>	Voltage	194-528 VAC	2 x 6 A (Changeover)
	Voltage	183-528 VAC	1 x 8 A (Changeover)
	Voltage   Absence	96-332 VAC	2 x 5 A (Changeover)
	Sequence   Absence	183-528 VAC	1 x 8 A (Changeover)
	Sequence   Absence	183-484 VAC	2 x 6 A (Changeover)
	Sequence   Absence	183-528 VAC	1 x 8 A (Changeover)
	Sequence   Absence   Undervoltage		
	Sequence   Absence   Imbalance		
	Sequence   Absence   Voltage   Imbalance		
	Sequence   Absence   Voltage   Imbalance	194-528 VAC	1 x 8 A (Changeover)
 <b>Single phase</b>	Voltage	9-15 VDC	1 x 5 A (Changeover)
	Voltage	0.2-60 VAC/DC	2 x 5 A (Changeover)
	Voltage	20-80 VAC/DC	1 x 5 A (Changeover)
	Voltage	65-260 VAC/DC	
	Voltage	20-80 VAC/DC	
	Voltage	65-260 VAC/DC	
	Voltage	15-600V AC/DC	2 x 5 A (Changeover)
	Current	2-500 mA	2 x 5 A (Changeover)
	Current	0.1-10 A	2 x 5 A (Changeover)
	Current	2-20 A	1 x 10 A (Changeover)

### LEVEL CONTROL

Type	Function	Measuring Range	Output
 <b>Level</b>	Pump up or down	5 - 100 kΩ	1 x 8 A (Changeover)
	Pump up or down	5 - 100 kΩ	
	Pump up or down	250 Ω - 1 MΩ	2 x 5 A (Changeover)

### ACCESSORIES

Type	Description	Compatibility	Part Number
 <b>Probes</b>	Electrode Holder	ENR / ENRM / HNM	79 696 044
	Protected Suspension Sensor		79 696 043
	Electrode & Holder 200°C		79 696 014

Power Supply	Width	Mounting	Designation	Part Number
220-480 VAC	35 mm	DIN Rail	H3US	84 873 220
208-480 VAC			M3US	84 873 222
120-277 VAC			H3USN	84 873 221
208-480 VAC	17,5 mm	DIN Rail	MWS	84 873 029
208-440 VAC			MWS2	84 873 021
208-480 VAC	17,5 mm	DIN Rail	MWG	84 873 022
			MWU	84 873 023
			MWA	84 873 024
			MWUA	84 873 025
220-480 VAC	35 mm	DIN Rail	HWUA	84 873 026
12 VDC	17,5 mm	DIN Rail	MUS12	84 872 140
24-240 VAC/DC	35 mm	DIN Rail	HUL	84 872 120
24-48 VAC/DC	17,5 mm	DIN Rail	MUS80	84 872 141
110-240 VAC/DC			MUS260	84 872 142
24-48 VAC/DC			MUSF80	84 872 151
110-240 VAC/DC			MUSF260	84 872 152
24-240 VAC/DC	35 mm	DIN Rail	HUH	84 872 130
			HIL	84 871 120
24-240V AC/DC	35 mm	DIN Rail	HIH	84 871 130
24-240V AC/DC	17,5 mm	DIN Rail	MIC	84 871 122

Power Supply	Width	Probe	Mounting	Designation	Part Number
24-240 VAC/DC	22,5 mm	Resistive	DIN Rail	ENR	84 870 200
	35 mm			ENRM	84 870 210
				HNM	84 870 700