

## OVER TEMPERATURE & SEAL LEAKAGE RELAYS FOR INNER DOOR MOUNTING

	Macromatic TCF, TCF-E & TCF-F Series	MPE PMR Series & Flygt MiniCAS
<b>Feature</b>		
Protects Against	Over Temperature Seal Leakage	Over Temperature Seal Leakage
Works with Submersible Pumps Using Resistance Sensing Leakage Detection	TCF Series	PMR1 & PMR3
Works with Submersible Pumps Using a Float Type Leakage Detector	TFC-E Series	PMR4
Works with Submersible Pumps Using FLS or CLS Leakage Sensors	TCF-F Series	MPE PMR2 & Flygt MiniCAS
Deadfront Door Mounting	Yes	Yes
Includes Back-Mounted Socket	Yes	Yes
Auto & Manual Reset on Over Temperature	Yes	Yes
Input Voltages	TCF & TCF-E Series (24, 120 & 240V AC) TCF-F Series (24 & 120V AC)	PMR1 & PMR4 (120V AC) PMR3 (240V AC) PMR2 & MiniCAS (24V AC/DC & 120V AC)
Dimensions	2.125" x 4.25" (flange dimensions) x 3.125" deep (behind flange)	2.125" x 4.25" (flange dimensions) x 3.61" deep (behind flange)
LEDs	Two 2-color (Green & Red): Green Normal / Red Over Temp Green Normal / Seal Leakage	Three 1-color (Red only): Power, Over Temp & Seal Leakage
Output Contact Ratings	7A @ 240V AC / 5A @ 28V DC, 1/2hp @ 120V AC (N.O.)	MPE PMR Series (8A Resistive @ 120V AC) Flygt MiniCAS (3A @ 240V AC, B300, 1/6hp)
Seal Leak Sensitivity Ranges	4.7K – 100K ohms & 1K – 250K ohms (TCF Series only)	4.7K – 100K ohms only (PMR1 & PMR3 only)
Agency Approvals	w/appropriate socket	
Cutout Size	2.5" X 1.88"	3.1" X 1.85"
	Yes	No

## MACROMATIC ADVANTAGES

- Shorter unit may allow use of smaller & less expensive enclosure
- Full-featured, competitively priced
- Two-color LEDs indicate both normal & alarm status, not just a fault, for better troubleshooting
- UL Listed with back-mounted sockets required for deadfront-mounting on an inner door
- Five-year warranty

