STANDARD PFA DRY CONTACT/RELAY SENSORS

SENSOR WIRING AND REPLACEMENT INSTRUCTIONS

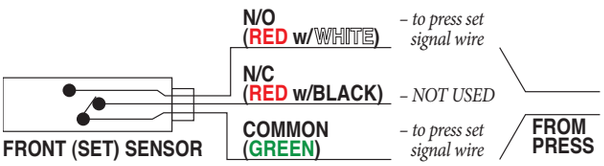


Fig. 1 - Single Sensor Wiring

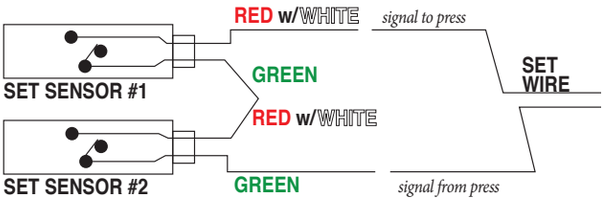
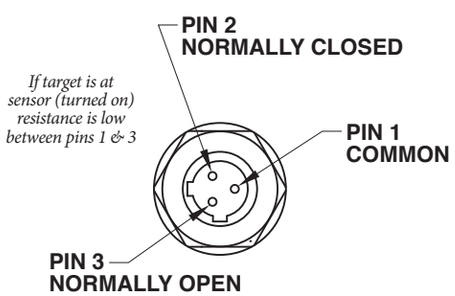


Fig. 2 - Multiple Sensor Wiring (Series)

PFA Relay-style sensors (EE70194 - sensor or CT70300 - assembly with seal) function as a true dry contact switch. In normal usage, when the target comes "in range" of the sensor, the relay inside the switch closes to complete the circuit.

EE70194 SPECIFICATIONS

Contact Type:	SPDT (Single-Pole, Double Throw)
Contact Rating:	2 Amps @ 120VAC 1 Amp @ 240VAC 1 Amp @ 24VDC
Temperature:	-40°C to +125°C
Pressure:	3000 psi max.
Install Torque Max.:	50 in-lbs.



Relay-style switches offer many benefits to the user. They have no voltage drop when closed nor do they have leakage current when open. In most applications the Normally Open (N/O - red with white stripe) connection is used so that when the cores reach set or pull, the relay contacts close to give that indication to the press. In most cases, the red with black stripe wire is not used, but is available for use as part of PFA's SWITCHMAX® Mold Wiring solution.

Connection between the KOR-LOK® Side-Action System and the press, is as simple as connecting two set sensor wires and two pull sensor wires to the two pair of machine control wires. The order of connection for each pair is not important.

Multiple set sensors can be wired in series to provide a single set indication to the press. Similarly, the pull wires may be connected in series. For situations where a core or other part of the mold may be damaged if opened with cores set, it is recommended that a redundant sensor be placed on the core itself and wired in series with the main unit sensors to ensure the core is retracted prior to mold opening.

PFA's SWITCHMAX® Mold Wiring solution is also available to provide cross checking of sensors to verify proper sequencing and provide operator side LED light indication. For additional information on SWITCHMAX®, please view the information online at www.pfa-inc.com.