

TWO YEAR LIMITED WARRANTY

K-Rain products carry a "Limited Warranty." For two years from the date of purchase, K-Rain will repair or replace (at K-Rain's option) the product or any part if the product is found to be defective as to workmanship or material. This warranty does not extend to damage to a K-Rain product resulting from misuse, neglect or abuse, normal wear and tear, or accident, to exterior appearance or color or due to improper installation. This warranty extends only to an original user of a K-Rain product.

In no event shall K-Rain be liable for incidental or consequential damages. All implied warranties are limited in duration to two years following date of purchase. Some states do not permit the exclusion or limitation of incidental or consequential damages or of implied warranties. Therefore, the above exclusions or limitations may not apply to you.

If a defect arises in a K-Rain product within the 2-year warranty period, you should promptly contact your K-Rain installer, distributor, or **K-RAIN MANUFACTURING CORP.** at the address below.

Please allow up to 4 weeks for completion of repairs or replacement and return of the product. If a product is replaced, the replacement product is covered only for the remainder of the original warranty period dating from the purchase of the original product.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If you have any questions concerning the warranty or its application, please write to: K-Rain Manufacturing Corporation, Attn: Product Manager, at the address below.



K-RAIN MANUFACTURING CORP.

1640 Australian Avenue
Riviera Beach, FL 33404 USA
PH: 1-561-844-1002 / 1-800-735-7246
FAX: 1-561-842-9493
WEB: <http://www.krain.com>

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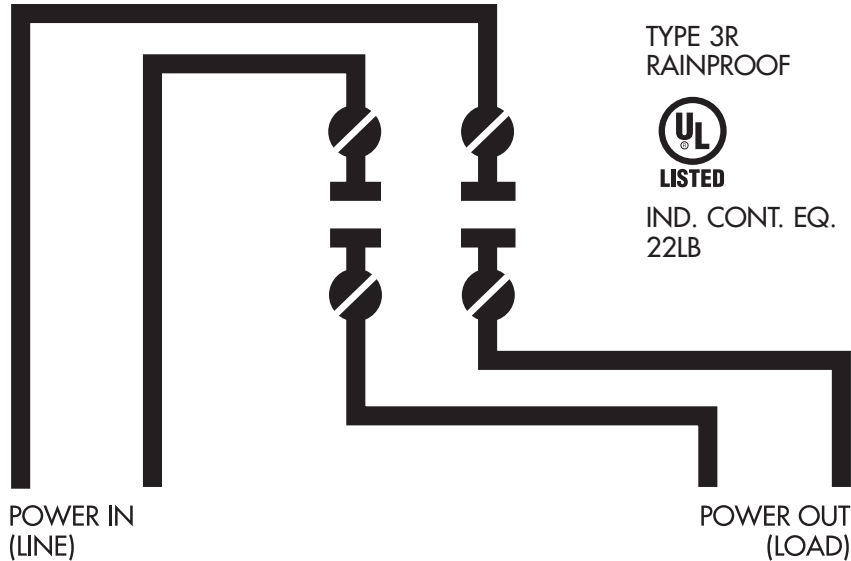
1500 SERIES PUMP START RELAYS

The Pump Start Relay enclosure is constructed with a corrosion resistant and shockproof material. The rain-tight, secure, rustproof enclosure provides a safe and secure connection in a housing built to last.



WIRING DIAGRAM

Suitable for use on a circuit capable of delivering not more than 5000 RMS symmetrical amperes, 240 Volts maximum, when protected by fuses or breakers rated maximum 100 Amps.



Copper wire only, sized per 75 degrees C tables in accordance with NEC. Tightening torque of 22 lb-in for relay terminals. Hub should be connected to conduit before the hub is connected to the enclosure. This enclosure must be installed so the orientation of the drain hole in the back cover is at the bottom of the enclosure. Metal conduit entering and exiting the enclosure must be secured to the enclosure using threaded grounding bushings, which are then connected to each other using a ground wire of sufficient size.

TECHNICAL SPECIFICATIONS

MODEL	COIL SPECIFICATIONS	CONTACT RATING
1522 24 VAC coil	24 Vac, 60 Hz; Inrush: 35 VA Sealed: 7 VA, 3 watts Resistance: (±10%): 11 ohms	Double Pole, Single Throw; Inductive: 20 AMP; Resistive: 30 AMP; Input: 120 VAC - up to 3 HP; 240 VAC - up to 3 HP
1521 120 VAC coil	120 Vac, 60 Hz; Inrush: 35 VA Sealed: 7 VA, 3.6 watts Resistance: (±10%): 250 ohms	Double Pole, Single Throw; Inductive: 20 AMP; Resistive: 30 AMP; Input: 120 VAC - up to 3 HP; 240 VAC - up to 3 HP
1552 24 VAC coil	24 Vac, 60 Hz; Inrush: 35 VA Sealed: 7 VA, 2.3 watts Resistance: (±10%): 11 ohms	Double Pole, Single Throw; Inductive: 40 AMP; Resistive: 50 AMP; Input: 120 VAC - up to 3 HP; 240 VAC - up to 5 HP
1551 120 VAC coil	120 Vac, 60 Hz; Inrush: 53 VA Sealed: 5 VA, 5 watts Resistance: (±10%): 180 ohms	Double Pole, Single Throw; Inductive: 30 AMP; Resistive: 40 AMP; Input: 120 VAC - up to 3 HP; 240 VAC - up to 5 HP
1553 24 VAC coil	24 Vac, 60 Hz; Inrush: 53 VA Sealed: 5 VA Resistance: (±10%): 7 ohms	Triple Pole, Single Throw; Inductive: 40 AMP; Resistive: 50 AMP; Input: 120 VAC - up to 3 HP; 240 VAC - up to 10 HP
1559 240 VAC coil	240 Vac, 60 Hz; Inrush: 53 VA Sealed: 5 VA Resistance: (±10%): 720 ohms	Triple Pole, Single Throw; Inductive: 40 AMP; Resistive: 50 AMP; Input: 120 VAC - up to 5 HP; 240 VAC - up to 10 HP
1510* 24 VAC mini coil 120 VAC coil	24 Vac, 60 Hz; Inrush: 52 mA Sealed: 1.2 VA; Resistance: (±10%): 155 ohms 120 Vac, 60 Hz; Inrush: 35 VA Sealed: 7 VA; Resistance: (±10%): 250 ohms	Double Pole, Single Throw; Inductive: 20 AMP; Resistive: 30 AMP; Input: 120 VAC - up to 3 HP
1520* 24 VAC mini coil 240 VAC coil	24 Vac, 60 Hz; Inrush: 52 mA Sealed: 1.2 VA; Resistance: (±10%): 155 ohms 240 Vac, 60 Hz; Inrush: 35 VA Sealed: 7 VA; Resistance: (±10%): 1000 ohms	Double Pole, Single Throw; Inductive: 20 AMP; Resistive: 30 AMP; Input: 240 VAC - up to 3 HP

*Includes a UL Rated Relay.