



FEATURES OF THE 4480 SERIES

Redundant Output Contacts

The 4480 series uses double "positive guided" output relays. Each relay is checked for proper status prior to beginning a machine cycle.

Hand Switch Inputs

The 4480 switch monitor is designed to interface with dry contact, single pole hand switches and electronic hand sensing devices with relay output. The 4480 features a hand switch delay which requires each hand switch to be closed for a set amount of time (factory set at .075 seconds) in order to activate. When in the open position, 24-40 volts DC will be across the hand switches. When in the closed position, 60-80 milliamps will flow through each hand switch.

Anti-tiedown

Model 4480 is activated by depressing the two hand switches within a fixed period of time (factory set at .5 sec.). The load will remain energized until one or both start switches are released or the reset switch is opened. If one or both switches are tied-down, the 4480 monitor will not operate.

Universal Power Configuration

The 4480 series allows 115 or 230 volt operation at 50 or 60 Hz.

Control Reliability

The 4480 series is designed to meet the OSHA classification of "control reliability" as defined in section 1910.217 (13).

Low Voltage Detector

The low voltage detector inhibits operation and causes the control to reset if power supply voltage drops below 90VAC (115V application). The 4480 will also reset on brief dips in supply voltage. (Note: Some hand detection devices will operate erratically under low voltage conditions. Therefore, these devices should be connected to the same power source as the 4480 so they can be monitored).

System Check Cycle

When the power is turned on, the 4480 will begin a 5 second system check cycle. During this check, the output is disabled and a machine cycle cannot be initiated. If the operator's hands are on the start switches during the system check, the output will not be energized until both hands are removed and reapplied.

Detachable Terminal Strip

The 4480 is wired using a detachable terminal strip, which makes installation and removal of the 4480 much easier.

Specifications

Physical Dimensions:	4.7" x 4.3" x 2.0" (l x w x d)
Weight:	1.25 lbs
Power Requirements:	115 VAC, 50/60Hz @ .1 A or 230 VAC, 50/60Hz @ .05A (24v model also available).
Power Line Monitor:	Resets if supply drops below 90V RMS (120V application) or 180V RMS (240V application) for more than 15 ms.
Output Load Rating:	8 Amps @ 115/230VAC (switching), 6 Amps @ 115/230VAC (continuous).
Output Life:	10 million mechanical operations (minimum).
Hand Switch Delay:	.05 to .15 seconds (factory set at .075 seconds).
Hand Switch Concurrency:	0 to .7 seconds (factory set at .5 seconds).
Delay on Power-up:	5 seconds (approximate).
Temperature Range:	0 - 140 F.
Origin:	Made in the U.S.A.