

## USES REDUNDANT POSITIVE GUIDED RELAYS

# TWO HAND MACHINE CONTROLS

## ANTI-TIEDOWN TIMER

### SERIES 3380

Nolatron's anti-tiedown controls are used in conjunction with two start switches to help protect machinery operators. The 3380 series helps to comply with OSHA, which requires a machine operator to have both hands on the start switches in order to start a machine cycle. This minimizes the possibility of the operator starting the machine while one hand is in the work area.

Both start switches must be activated within a fixed time interval to energize the output. This prevents an operator from "tying down" one of the switches while continuing to operate the machine.

The 3380 uses redundant positive guided output contacts which are cross-checked before every machine cycle. A single component failure will cause the control to shut down in a safe mode.

Features:

**Double "positive guided" output relays**- Each relay is checked for proper status prior to beginning a machine cycle.

**Pin for pin compatibility**- The 3380 series can be used to replace the 3370 and 5570 series controls with no modification to wiring.\* This allows easy upgrading of existing machinery.

**Control reliable**- The 3380 series is designed to meet the OSHA classification of "control reliability" as defined in section 1910.217 (13).

\*Note: The 3380 series does not offer the normally closed output contact (pin number 4 of the 3370 series). Also, the switching output current rating of the 3380 is 8 amps, the 3370 series is rated for 10 amps).

### Specifications:

Physical	3 1/2"(88mm) High, 2 3/8" (60mm) Wide, 1 3/4" (45mm) Deep
Wiring Connection	Standard 8 pin octal base (socket sold separately)
Operating Voltage	115 VAC, 50/60Hz. (12 and 24VAC also available)
Power Consumption	.3 Watts (pin 3 energized) / 6 Watts (pin 2 energized)
Output Ratings	8 Amps @ 115 VAC (switching), 6 Amps @ 115 VAC(continuous)

