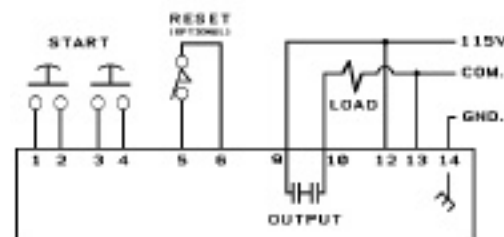


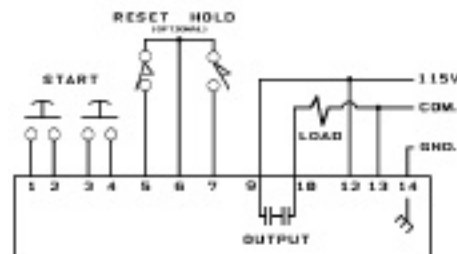
SUGGESTED WIRING FOR THE 4480 SERIES

MODEL 4480

MOMENTARY OUTPUT - In order for a machine cycle to begin, both switches must be activated within .5 seconds. The load will remain energized until one or both start switches are released or the Reset switch is opened momentarily.

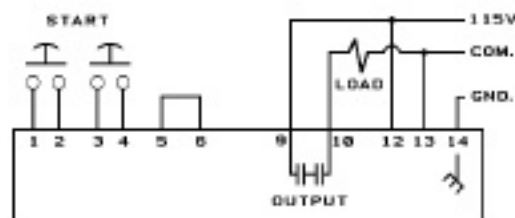


MAINTAINED OUTPUT - An optional Hold switch can be wired into the circuit of the 4480 to provide a maintained output. When the Hold switch is closed, the load will stay energized even after the start switches are released. The Hold switch must not close until the pinch-point is passed, and should remain closed for the rest of the machine cycle.



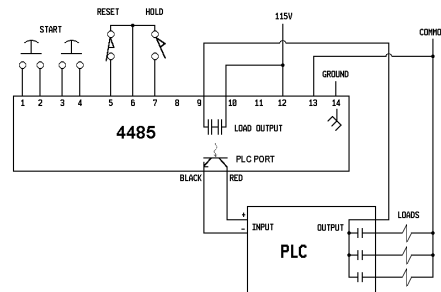
MODEL 4480-T

TIMED OUTPUT - This model has the added feature of an adjustable timed output. When both start switches are activated, the output will remain energized until the time cycle is completed or one or both start switches are released. The output time is factory set at .5 second, and is internally adjustable from .2 to 1 second.



MODEL 4485

PLC INTERFACE - Model 4485 has all the anti-tiedown features of the 4480 plus the ability to interface with programmable controllers that have DC inputs of the sinking or sourcing configuration. When a PLC is used to start a machine cycle, an anti-tiedown control must be used to help prevent an unwanted energizing of a machine load due to PLC failure.



Note: The Reset & Hold switches shown in the above wiring diagrams are optional and are not required for all applications.

LOAD TRANSIENT DAMAGE

If the load is a solenoid, a motor, a relay coil, or a transformer, it will have inductive properties. When a relay contact breaks the current to an inductor, a high voltage will result across the contact. This high voltage may damage the contacts when they begin to separate. Good transient suppression (placed across the load) can greatly reduce this damaging high voltage and increase operating life.

Order Nolatron Part#: 30165 - LOAD SUPPRESSOR

