

INSTALLATION INSTRUCTIONS FOR PULSER SYSTEM

MODEL
GP-200-ST

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Functions:

The GOODLIN PULSER SYSTEM GP-200-ST is a pulser system that provides a car wash computer with a safe, reliable pulse with which to track the conveyor movement. The SYSTEM has an EMERGENCY BACK UP PULSE GENERATOR. This PULSE GENERATOR can be used to run the car wash in the event of a pulser failure.

The repeat time delay needs to be adjusted to the same speed as the pulser on the conveyor. In order to compare the two speeds turn on both the Aux and the Norm switch with the conveyor running. You do not want to be running any cars through the wash at this time otherwise the computer will be off. Both the Aux LED and the Norm LED will start flashing. First set the ON time then the OFF time of the repeat cycle time delay for the pulse rate adjustment. Remember they don't have to flash at the same time just at the same rate of speed. After the rate is set turn off the Aux switch and the system will signal the normal pulse to the computer. When switching to the auxiliary pulser, turn off the Normal switch and turn on the Auxiliary switch. The Auxiliary pulse may need adjusted whenever the conveyor speed is adjusted. The auxiliary pulse is not meant to take the place of the normal pulser. It is only for an emergency situation if the normal pulse system fails. The accuracy of the auxiliary pulse may not be as well as the normal pulser.

Installation notes:

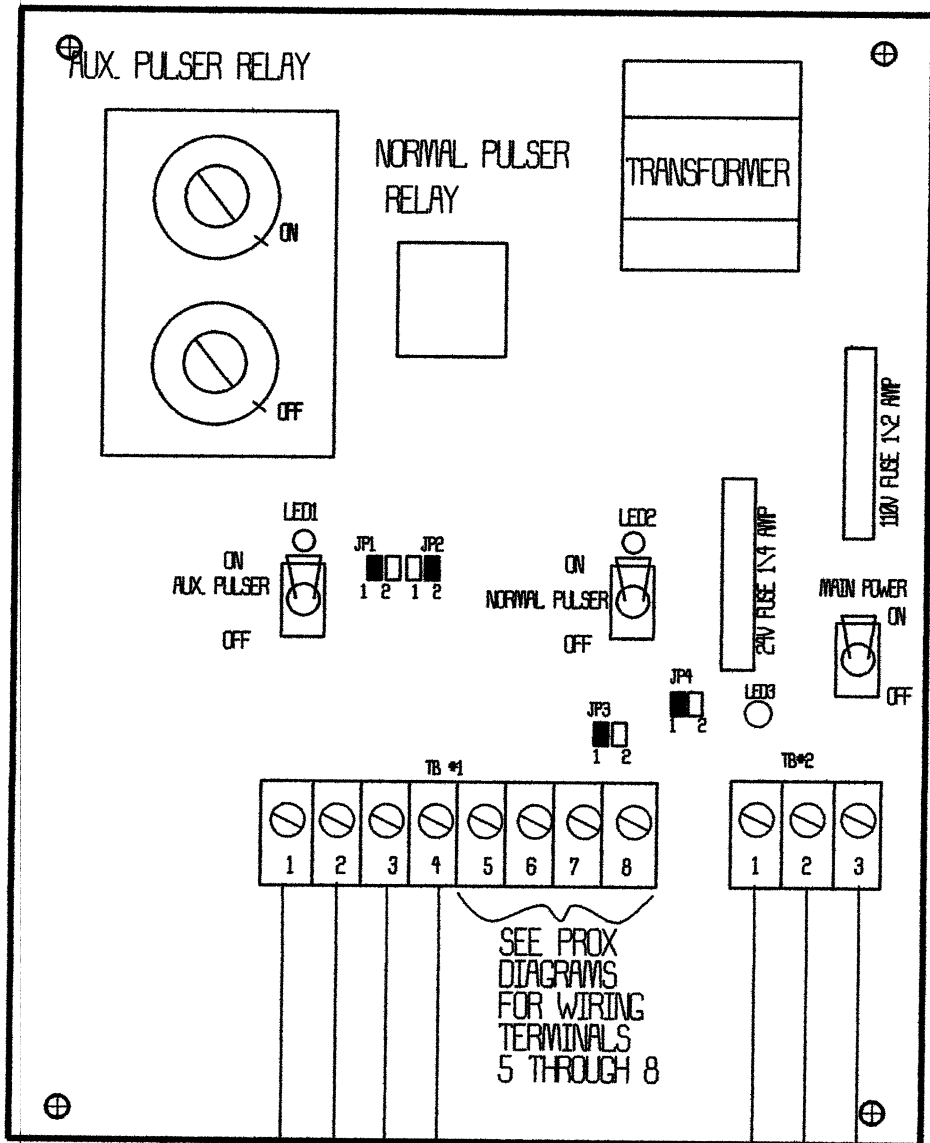
The interlock contacts are a set of contacts external to the GP-200-ST that signals that the conveyor is running. These can be run through an interlock contactor or the conveyor contactor itself (If contacts are available). A cheater way if no contacts are available is to find a Hot interlock circuit and tap into it to run a relay to give a dry set of contacts to the Pulser System. If just a contact switch is being used as the Pulse Switch use the setup of an AC Proximity switch.

Reminder notes and hints:

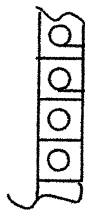
The repeat time delay needs to be adjusted to the same speed or rate as the pulser on the conveyor. In order to compare the two speeds turn on both switches AUX and NORM at the same time. The timer has two knobs for speed settings. One is for the time for the On, the other for time Off. These both have to be set in order for the pulse to be accurate. It is simpler to set the On time then work with the Off time to get the pulse Rate.

Remember: They don't have to go on and off at the same time. They need to send the same amount of pulses in a given time. You can check this by counting pulses for 30 sec on each and compare them.

If the conveyor speed changes this will effect the Aux pulse. It will have to be changed, if it is to be used at the new conveyor speed. It is easier to mark the speed of the conveyor on the speed adjustment. This can then be turned back to the mark if the pulser fails and Aux pulse needs to be used.



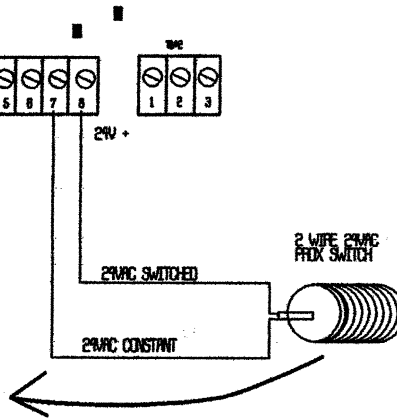
CARWASH
COMPUTER
PULSER
TERMINALS



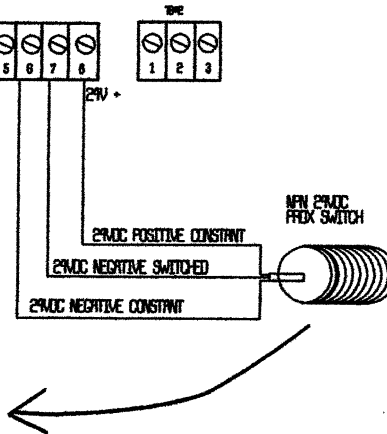
INTERLOCKED
CONTACTS

110VAC HOT
110VAC NEUTRAL
EARTH GROUND

DESCRIPTION	JUMPER POSITIONS			
	JP1	JP2	JP3	JP4
2 WIRE AC PROX SWITCH OR DRY SET OF CONTACTS SUCH AS FEED SWITCH	2	2	2	2
2WAC PROX SWITCH NPN NEGATIVE SWITCHING 3 WIRE	1	2	1	1
2WAC PROX SWITCH PNP POSITIVE SWITCHING 3 WIRE	1	1	1	1



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