



SMARTRISE

MADE STRONG

INSTALLATION MANUAL

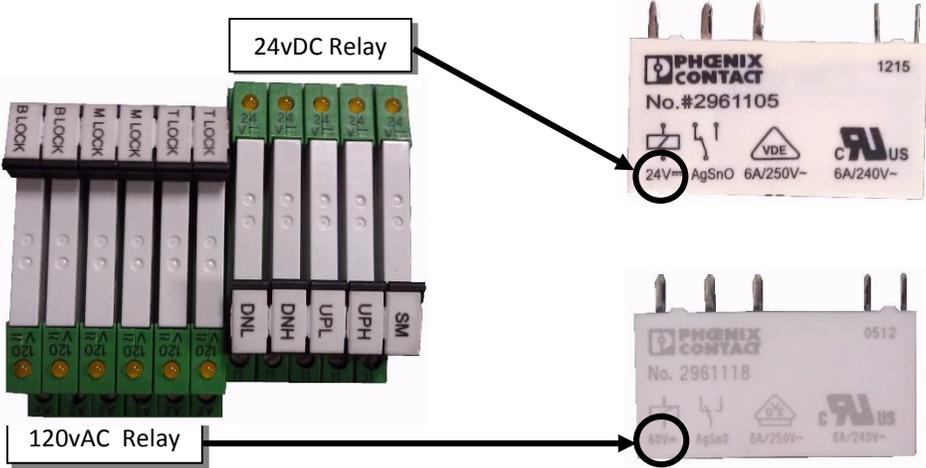
for

Replacing SlimLine, Force Feedback and Pick
Relays

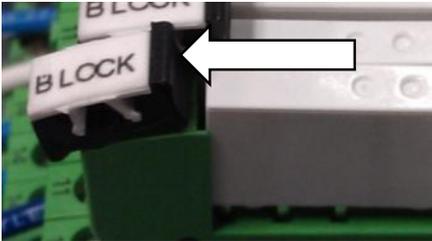


REPLACING SLIMLINE RELAYS

If replacing relays make sure that the new relay you're installing is the same voltage as the old one. Smartrise uses 120vac and 24vdc relays that look similar. See the photos below to determine the different relays.



1. To inspect a slimline relay push out on the black tab that contains the label.



2. Pull up on the white relay.



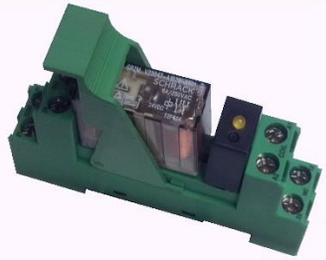
3. Re-install the relay the same way making sure you don't bend any pins when inserting it into the base. Pushing down on the relay will snap the black tab back into the locking position.



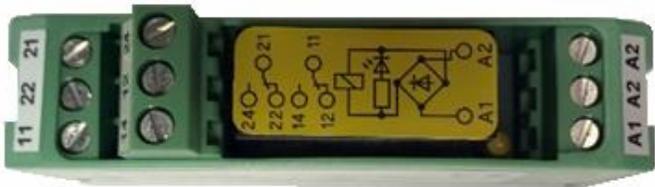
**** NOTE:** If the relay you're replacing is burnt out, has been arcing or is missing a pin, you should replace the whole relay/base assembly. This will eliminate any damage done to the base from the relay terminals.

REPLACING FORCE GUIDED RELAYS

Smarterise no longer uses the older style force feedback relays with the removable contacts.



The new force guided relay eliminates the possibility of bent pins on the removable relay. Since the contact part of the relay is permanently installed in the base to prevent bent pins from removal, no maintenance is required.



1. If the relay is found to be defective then replace the complete assembly.
 - a. Turn off main power.
 - b. Label the wires and then remove them from old relay.
 - c. To remove the relay from the rail, insert a large flat-blade screwdriver into the tab (figure 1) and pull screwdriver handle back towards the relay (figure 2).
 - d. Install the new relay by attaching the side opposite the tab onto the rail first and then rotating it down onto the rail, snapping it into place.
2. Re-install the wiring to the correct terminals.
3. Restore power.

Figure 1

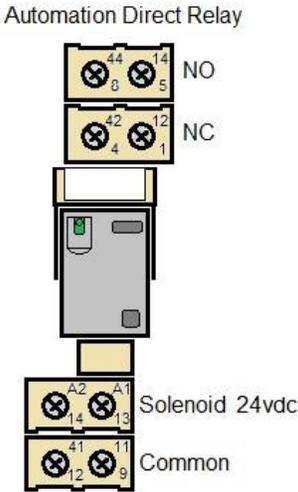
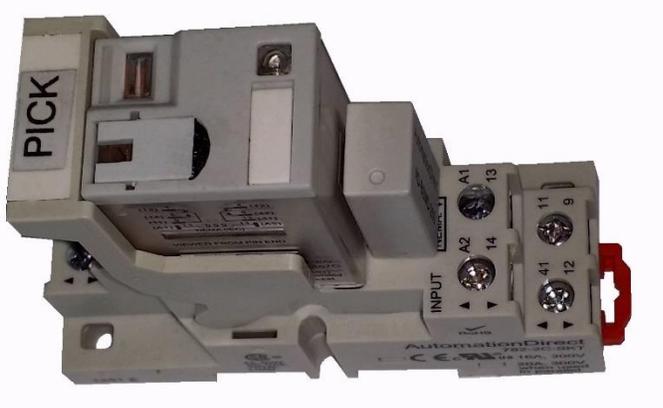


Figure 2



REPLACING PICK RELAY

Smartrise now uses the Auto-D Pick relay. Use the following diagram for reference when replacing the older style force feedback relay with the new Auto-D relay.



1. If the relay is found to be defective then replace the complete assembly.
 - a. Turn off main power.
 - b. Label the wires and then remove them from old relay.
 - c. To remove the relay from the rail, insert a large flat-blade screwdriver into the red tab (figure 1) and pull screwdriver handle back towards the relay (figure 2).
 - d. Install the new relay by attaching the side opposite the tab onto the rail first and then rotating it down onto the rail, snapping it into place.
2. Re-install the wiring to the correct terminals.
3. Restore power.

Figure 1

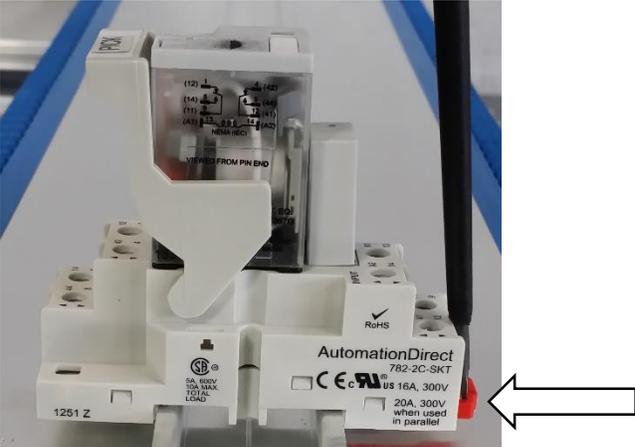


Figure 2

