

Dual MINI-SCREEN controller model MDSDINT-1T2 is identical to the controller in the manual, except that it uses removeable wiring blocks. With the removeable wiring blocks, wiring terminal numbers change and one overall controller dimension increases. This supplement modifies the information for Figures 17, 20, and 23 which appear in Dual MINI-SCREEN manual 47297.

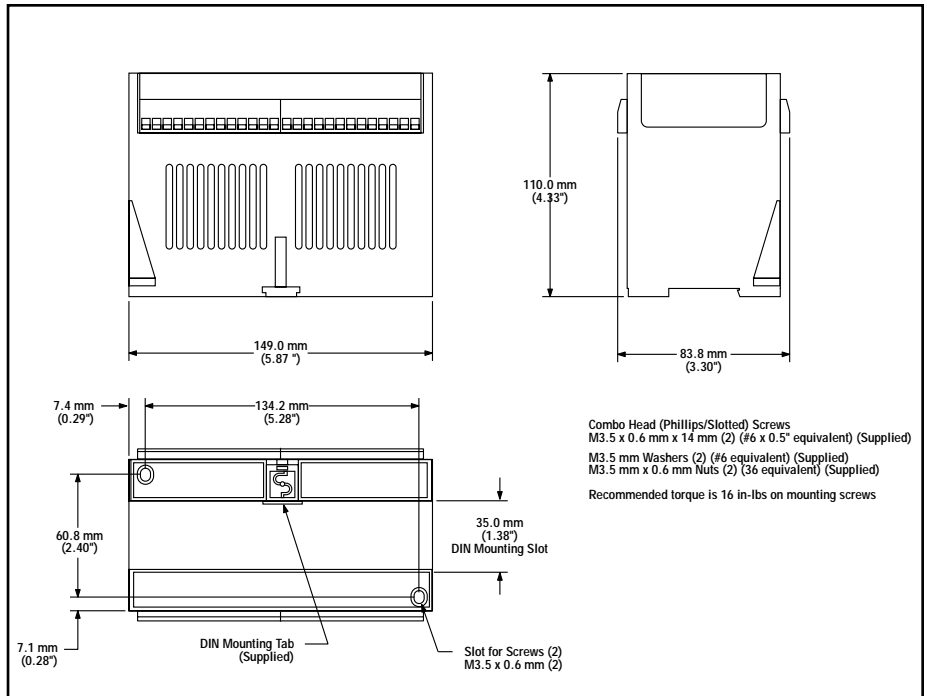


Figure 17. Control Module Dimensions and Mounting Hole Locations.

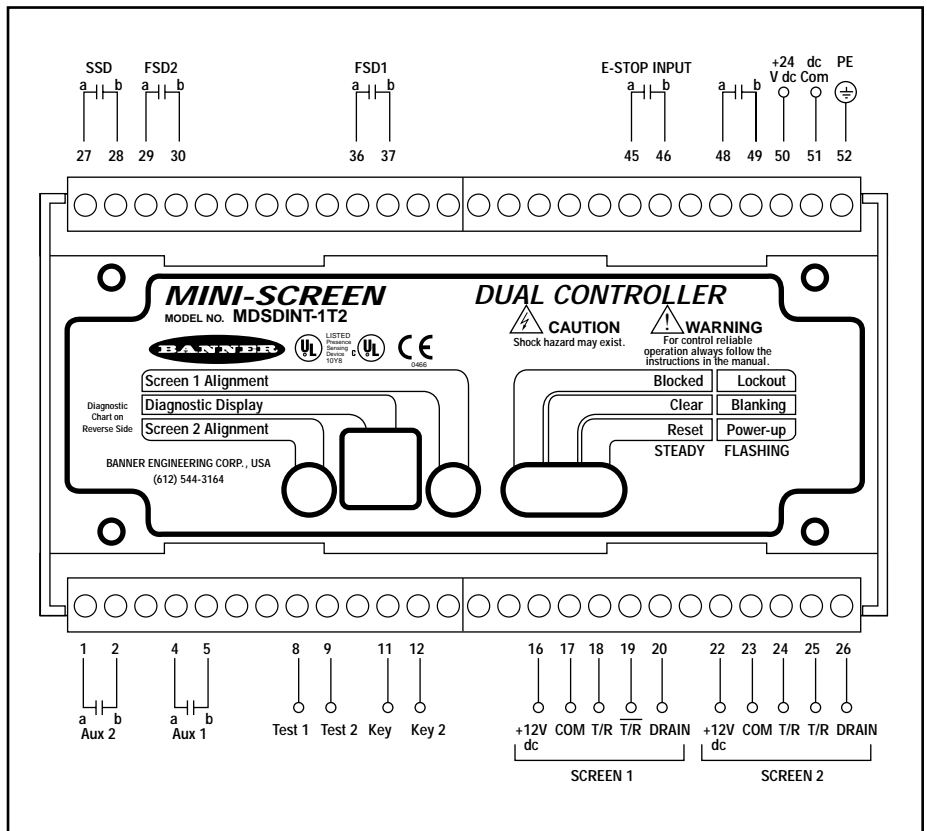


Figure 20. Dual MINI-SCREEN System electrical connections.

MDSINT-1T2

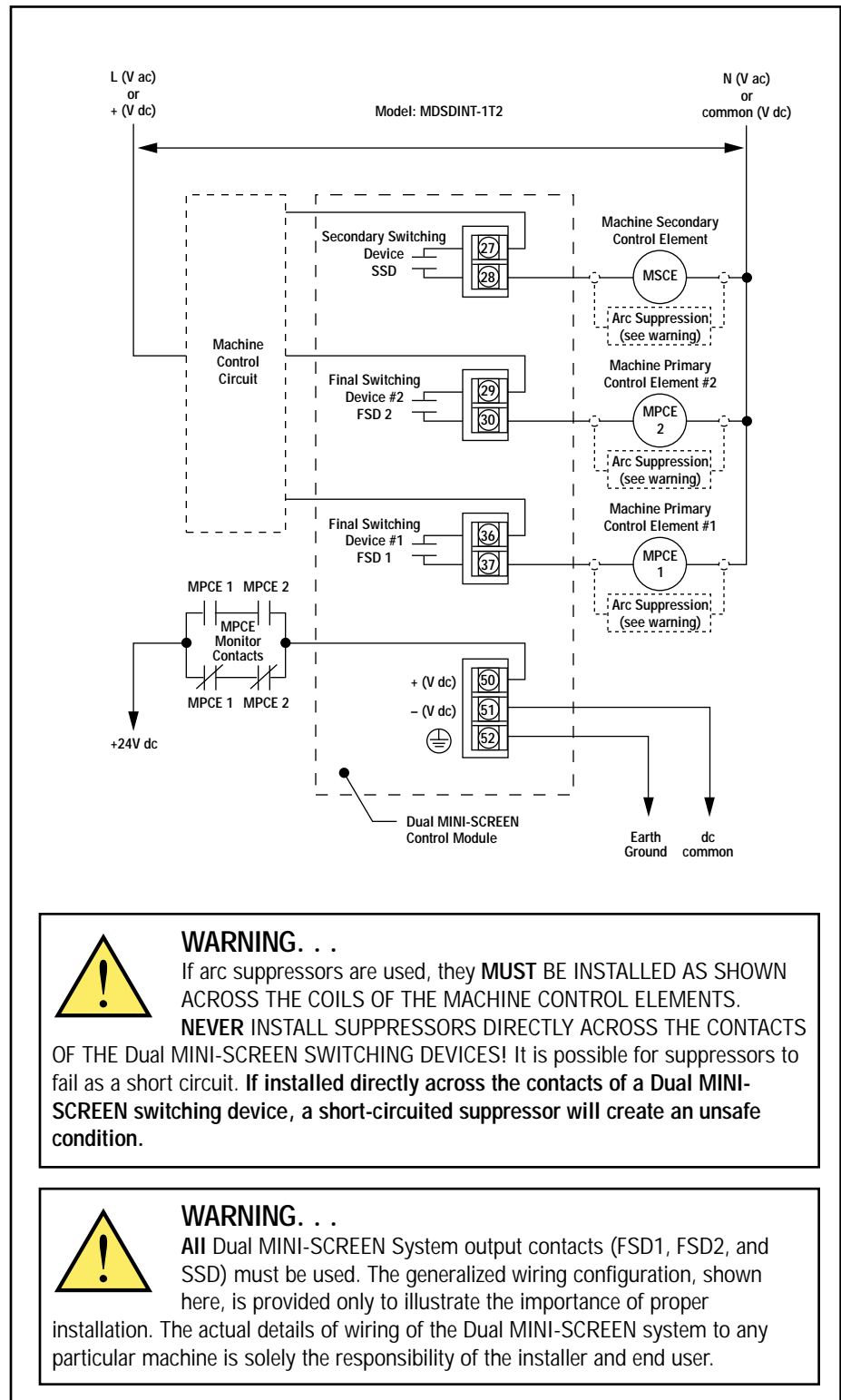


WARNING. . .
Use of Dual MINI-SCREEN Systems for Perimeter Guarding

If a Dual MINI-SCREEN System is installed for use as a perimeter guarding system, the dangerous machine motion must be able to be initiated following an interruption of either defined area **only** after actuation of a reset switch.

The reset switch must be located outside of the area of dangerous motion, and must be positioned so that the area of the dangerous motion may be observed by the switch operator during the reset operation. Supplemental presence sensing devices, such as safety mats, must be used if any space between either defined area and any danger point is large enough to allow a person to stand undetected by the Dual MINI-SCREEN System. Failure to observe this warning could result in serious injury or death.

Figure 23 (below) shows output relay connections in a generic interfacing situation. The connections between the Dual MINI-SCREEN System outputs and the machine primary and secondary control elements must be direct, and arranged so that any single line fault or earth fault will not result in a circuit failure to a potentially dangerous state.



WARNING. . .
If arc suppressors are used, they **MUST BE INSTALLED AS SHOWN ACROSS THE COILS OF THE MACHINE CONTROL ELEMENTS. NEVER INSTALL SUPPRESSORS DIRECTLY ACROSS THE CONTACTS OF THE Dual MINI-SCREEN SWITCHING DEVICES!** It is possible for suppressors to fail as a short circuit. **If installed directly across the contacts of a Dual MINI-SCREEN switching device, a short-circuited suppressor will create an unsafe condition.**



WARNING. . .
All Dual MINI-SCREEN System output contacts (FSD1, FSD2, and SSD) must be used. The generalized wiring configuration, shown here, is provided only to illustrate the importance of proper installation. The actual details of wiring of the Dual MINI-SCREEN system to any particular machine is solely the responsibility of the installer and end user.

Figure 23. Generic machine interface, Dual MINI-SCREEN System