



1334-MOD-F

Ten-Turn Speed Pot

Description The Bulletin 1334 Ten-Turn Speed Pot Option Kit provides finer tuning of the output frequency of the Drive and replaces the single-turn manual speed pot of the 1334 Drive. The Ten-Turn Speed Pot may be remotely mounted up to 200 feet from the Drive.

Each Bulletin 1334-Mod-F Kit includes:

- (1) 1 k Ω Ten-Turn Potentiometer (P/N 229776)
- (1) Heat Shrink Tubing (P/N 201326)
- (1) Ten-Turn Dial (P/N 228982)

Installation



WARNING

Only personnel familiar with the Drive and its associated machinery should plan or implement the installation, startup, and adjustment of MOD kits. Failure to comply may result in personal injury and/or equipment damage.

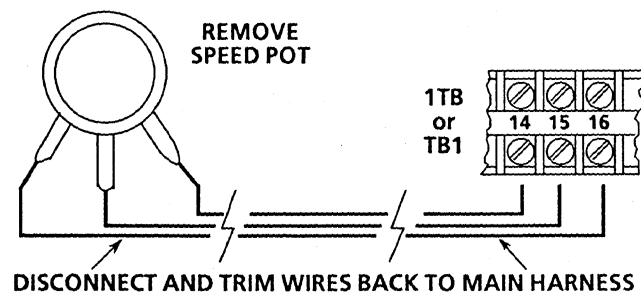
To guard against personal injury, always remove & lock out power to the Drive at the main supply disconnect and all other power source disconnects. Ensure that DS1 is not lit when boards or wires are being installed or connected. Refer to the instruction manual for your Drive for LED location.

IMPORTANT

The **maximum** panel thickness for mounting the ten-turn speed pot is 16 gauge. Panels of greater thickness will prevent the set screw in the counting dial from engaging the pot shaft.

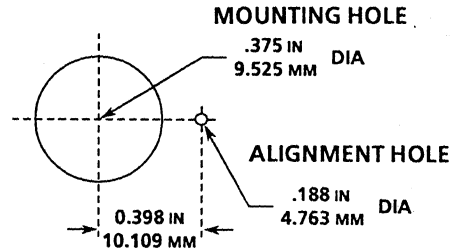
REMOTE INSTALLATION

When replacing the existing local speed pot with a remotely mounted ten-turn speed pot, the local speed pot must be removed and the wires to the speed pot at terminals **14**, **15**, & **16** of terminal block **1TB** or **TB1** must be disconnected. Trim these wires back to the main harness and cover the mounting hole with a NEMA Type 12 closing plug, then remove or cover the speed pot legend.



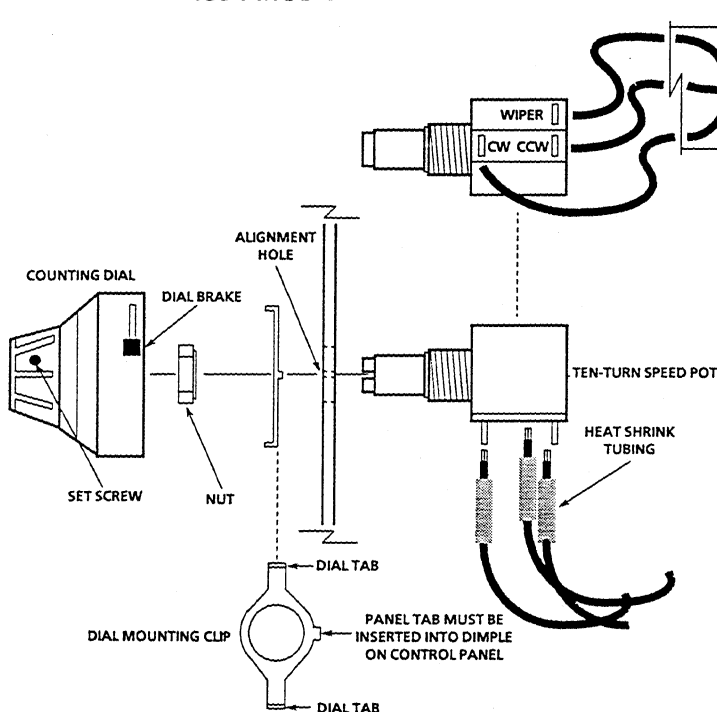
Installation
(continued)

Remote installation requires that a .375 inch diameter **MOUNTING HOLE** be marked and drilled through the remote panel along with .188 inch diameter **ALIGNMENT HOLE** as shown.

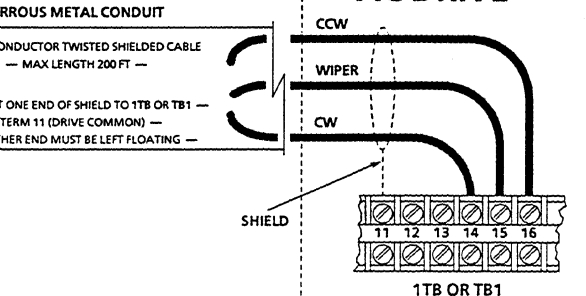


- Step 1** Once the holes have been drilled, mount the **TEN-TURN SPEED POT** and **DIAL MOUNTING CLIP** onto the remote panel with the supplied nut as shown. Ensure that the **PANEL TAB** on the clip is positioned in the **ALIGNMENT HOLE** on the panel. After the pot is securely mounted, turn the pot shaft fully counter-clockwise until the mechanical stop is reached.
- Step 2** Before mounting the **COUNTING DIAL** on the speed pot shaft, set the dial to all zeros and lock the **DIAL BRAKE**. Align the locked dial with the **DIAL TABS** on the **DIAL MOUNTING CLIP**, then press onto the ten-turn speed pot shaft. Hold the dial securely against the panel and tighten the **SET SCREW** with the allen wrench supplied with the kit.
- Step 3** With input power removed from the Drive at the disconnect device, cut the heat shrink tubing into three one inch pieces and install interconnection wiring between the remote speed pot and terminals **14, 15, & 16** of terminal block **1TB** or **TB1** as shown. Slide one piece of tubing over each of the three wires at the speed pot, then solder the wires to the ten-turn speed pot terminals as shown. Slide the pieces of tubing over the soldered connections and heat until a secure fit is obtained.

TEN-TURN SPEED POT
1334-MOD-F



BULLETIN 1334
AC DRIVE



1334-MOD-F

1TB OR TB1

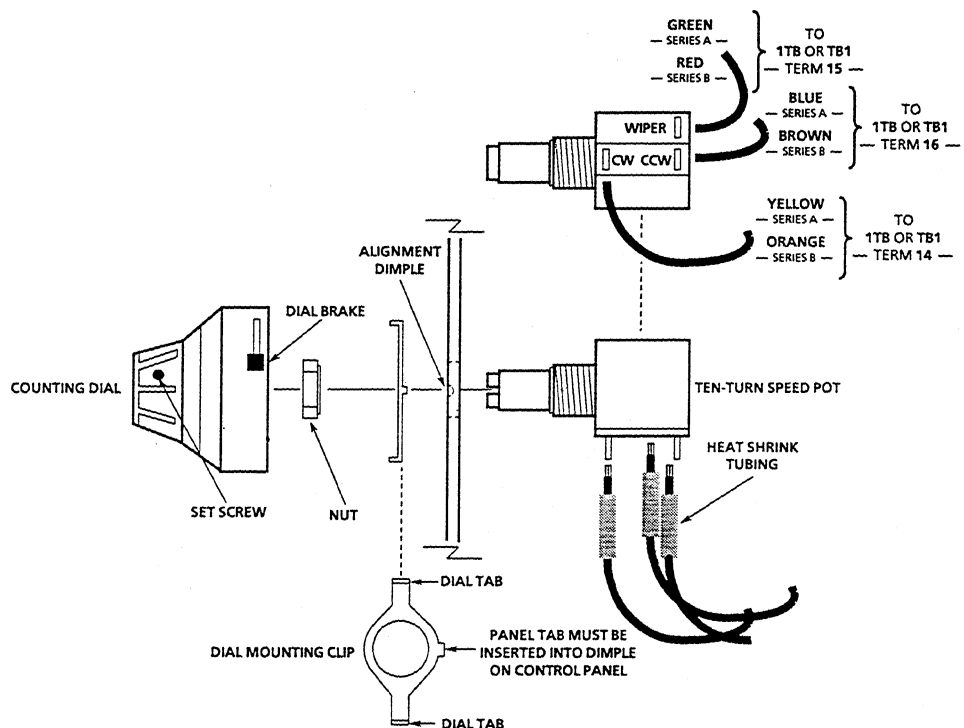
WIPER	TO	TERM 15
CW	TO	TERM 14
CCW	TO	TERM 16

Installation

(continued)

LOCAL INSTALLATION

- Step 1 Remove input power from the Drive at the disconnect device and unsolder the wires from the existing single-turn speed pot, then remove the standard single-turn speed pot from the control panel.
- Step 2 Mount the TEN-TURN SPEED POT and DIAL MOUNTING CLIP onto the control panel with the supplied nut as shown. Ensure that the PANEL TAB on the clip is positioned in the ALIGNMENT DIMPLE on the panel. After the pot is securely mounted, turn the pot shaft fully counter-clockwise until the mechanical stop is reached.
- Step 3 Before mounting the COUNTING DIAL on the speed pot shaft, set the dial to all zeros and lock the DIAL BRAKE. Align the locked dial with the DIAL TABS on the DIAL MOUNTING CLIP, then press onto the ten-turn speed pot shaft. Hold the dial securely against the panel and tighten the SET SCREW with the allen wrench supplied with the kit.
- Step 4 Cut the heat shrink tubing into three one inch pieces. Slide one piece of tubing over each of the three existing wires, then solder the existing wires to the ten-turn speed pot terminals as shown. Slide the pieces of tubing over the soldered connections and heat until a secure fit is obtained.





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