INSTRUCTIONS FOR INSTALLING THE 136132 OVERLOAD SWITCH ASSEMBLY ON A
MOTOR UNIT OR 82283 SYNCHRONOUS MOTOR TO PROVIDE CURRENT OVERLOAD
PROTECTION (USED ON MODEL 15 BASE (BB), MODEL 14 TYPING UNIT (FP),
TYING REPERFORATOR (FPR), NON-TYPING REPERFORATOR (RPE), TYPING
REPERFORATOR TRANSMITTER (FXD), AND TRANSMITTER DISTRIBUTOR (XD)

1. GENERAL

a. The 136132 Overload Switch Assembly when installed on a Motor Unit MU4,
or 82283, 60 cycle, Synchronous Motor provides a single heater type, current
operated, thermostatic switch overload protector. This supplements or replaces
the standard fusing arrangement for the Motor Unit MU4 or 82283, 60 cycle,
Synchronous Motor in its associated apparatus. The overload switch assembly is
wired in series with one of the motor leads.

b. The thermostatic switch operates by means of a snap-acting thermostatic
bi-metal disc and a heater. The contacts are normally closed. Motor current
passes through both the disc and the heater. When the temperature, caused by
the resistance of the heater and disc, reaches a predetermined value, the disc
snaps to reverse its curvature, thus separating the contacts and opening the
current to the motor. To reset the switch after interruption of the circuit,
allow sufficient time for cooling of the elements and then manually depress
the red reset button.

c. For part numbers referred to and for parts ordering information, see
Teletype Motors Parts Bulletin.

2. INSTALLATION (Figures 1 and 2)

a. Disconnect the unit to be modified from associated apparatus.

b. Remove and retain one 78025 Screw and loosen the other 78025 Screw of
the 82283 Motor Name Plate.

c. Mount the assembled 136132 Overload Switch Assembly on top of the motor
over the name plate and under the loosened 78025 Screw. Replace the 78025 Screw
and tighten, so that the 136130 Box is securely fastened to the 82283 Motor.

d. Both wire leads should follow the motor leads to the terminal block.
Disconnect one motor lead from its 115 volt A.C. terminal source, splice,
solder and tape to one of the thermostatic switch leads. The remaining switch
lead replaces the motor lead removed from the 115 volt A.C. terminal source.

e. Depress the red reset button before reconnecting the modified unit to
its associated apparatus.

f. Test of the overload switch may be done by applying 115 volts A.C.
60 cycles to the motor with its armature blocked. The thermostatic switch
should open in not less than 3 seconds and not more than 15 seconds the first
time. Turn the power off and reset the manual button.

g. Release the blocked armature and resume normal operation.

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