

DATA SET 105C  
USED ON PRIVATE SERVICE SYSTEMS  
SWITCHING SYSTEM NO. 307  
INSTALLATION

1. INSTALLATION

- 1.01 This section covers general information concerning the station installation. It does not include information concerning the teletypewriter (TTY) equipment, the dual access switch circuit, or the line circuit.
- 1.02 The customer must furnish a 3-wire ac outlet (to accept a plug with two parallel blades and a U-shaped grounding pin). The outlet must not be under control of a switch.
- 1.03 A check of the ground should be made to verify that a good ground exists. This precaution is particularly necessary where other business machine equipment is located in the same room with the TTY station. All 117-volt power sources in the room should be served from the same ac service cabinet so that the same ground bus feeds each outlet. This measure is necessary to prevent introduction of noise potentials which might otherwise develop and cause data errors. If they are not served from the same panel, a test using the 6A impulse counter should be used to detect the presence of noise potentials. This test procedure is described in Section 591-020-500. (The method of providing this bond should be in accordance with local instructions.)
- 1.04 To minimize inductive interference to data signals on the telephone (data) line, the line should not be carried in the same run as cable between data set and customer's business machine or lines connected to dc teletypewriter services. If this condition cannot be met, it will be necessary to run telephone (data) line in type SK (shielded) station wire between data set and cable distribution terminal or building entrance. Ground shield at one end only, preferably the distribution terminal end.
- 1.05 The customer must provide and maintain a room temperature of 50 to 110 F for proper operation of the data set.
- 1.06 Verify that the over-all facilities have been tested and meet transmission requirements as specified in Section AB23.053.
- 1.07 Wiring options and over-all transmission requirements should be specified on the service order or circuit layout card.
- 1.08 Use Section 591-020-400 for wiring options and connections.
- 1.09 See Section 591-020-500 for tests to be performed at time of installation.