



EAST GREENWICH FIRE DISTRICT

Fire Alarm – Communications Division

MASTER BOX – MUNICIPAL CONNECTION REQUIREMENTS AND SPECIFICATIONS

Please review all information available regarding the installation and specifications of the fire alarm master box and contact the Fire Alarm Division Office at (401) 886-8687 if you have any questions regarding any part of this process to avoid delays. Contact the Fire Alarm Division as soon as the master box is ready to be tied in to the municipal system.

MASTER BOX

- Gamewell Three-Fold Master Fire Alarm Box. Go to www.gamewell-fci for more information and specifications. The box color shall be red. No exception.
- Master Box shall be 1/3 timing. The code number will be assigned by the fire district.
- Wall mounted and flush mounted boxes are available to suite specific installation needs.
- It is preferred that the box is installed indoors in close proximity to the fire alarm panel.
- The box must be installed in a location easily accessible to the fire department near the same entrance door as the key access box and control panel or remote annunciator.
- A lightning arrestor shall be installed in the master box.

MUNICIPAL CONNECTION - AERIAL

- A connection point shall be provided by the installing contractor. This will consist of a weather-head and connection point for the municipal circuit wire. The location of this connection point must be pre-approved by the fire district before installation.
- Two pairs of 14 AWG solid core wire consisting of black, white and two other colors shall be installed from the master box to the connection point with a minimum of three additional feet of wire pulled out of the weather-head for connection. The black and white wires will be used for the primary connection and the second pair will be left as spare.

MUNICIPAL CONNECTION – UNDERGROUND TO UTILITY POLE

- Duct for underground shall be no less than 2" diameter PVC rated for this specific usage. A riser, weather-head and mounting brackets shall be provided to the fire department to be installed to the necessary height on the utility pole. Ensure that the exterior end of the duct remains capped until the tie-in can take place to prevent water and debris from entering.
- The underground duct shall be used exclusively for the fire department connection wire.
- Wire shall be IMSA #20 four conductor 14 AWG solid copper wire. The black and white pair shall be used for the primary connection. The red and green shall remain as a spare pair. Enough wire shall be pulled at the exterior point to install it to the necessary height on the pole.

In the uncommon event that a building requiring a municipal tie in is not within 100' of a utility pole containing the municipal circuit wire, the building owner or representative for construction shall be responsible for additional fees to cover the cost of installation of the municipal wire. These fee's are intended to cover the cost associated with materials, equipment and labor that is above and beyond a normal installation covered by the tie in fee. More information regarding this may be obtained by contacting the East Greenwich Fire District Fire Alarm Office at (401) 886-8687.

Information and forms are available on the Fire Alarm page at www.egfiredistrict.net