GME

TH10

TELEPHONE INTERCOM

INSTRUCTION MANUAL

DESCRIPTION

The GME TH10 is a telephone style intercom unit suitable for both land based and marine installations where wired communications is required between two or more locations. Individually numbered buttons allow selective paging of up to 10 stations.

INSTALLATION

WIRING

To prevent loss of performance, the wire used should have a minimum diameter of 0.5 mm and should be no more than 500 meters in length. To determine the number of wires required, use the following formula:

No. of Stations + 3 = number of wires
(e.g. 5 stations + 3 = 8 wires)

1. Remove the screw in the mouthpiece recess of the case and lift the case clear.
2. Feed the cables through the hole in the centre of the case bottom and after removing the insulation from the end of each wire, connect them to the terminal block inside the intercom according to Figure 1.
3. To help eliminate wiring errors, connect each intercom in sequence, then test each installation before proceeding to the next. This allows you to identify and correct any wiring errors as you go.

MOUNTING

The TH10 may be installed on any flat surface using the mounting bracket supplied. Postion the bracket in the desired location with the mounting lugs protruding outwards and upwards, and secure with two 3 mm diameter screws. Place the TH10 over the four protruding lugs so that they locate in the slots in the case bottom, and slide the Intercom downward until it locks. To remove, use the reverse procedure.

POWER REQUIREMENTS

The TH10 requires a 12 Volt DC power supply. The supply used will depend on your installation.

MARINE INSTALLATIONS

The TH10 can be connected directly to the 12 Volt battery on board your boat using a FUSED power lead.

1. Connect the RED lead to the '+' on the terminal block.
2. Connect the BLACK lead to the '-' on the terminal block.

LAND BASED INSTALLATIONS

The TH10 should be connected directly to a 12 Volt DC power supply capable of at least 100 mA such as the GME Model BCE1445.

1. Cut the DC plug from the end of the BCE1445's DC lead.
2. Connect the BLACK/WHITE STRIPE lead to the '+' on the terminal block.
3. Connect the BLACK lead without the stripe to the '-' on the terminal block.

OPTIONAL EXTERNAL BUZZER

In high noise environments, it may be necessary to install an external buzzer so that the station being called can be alerted. Any low current 12 Volt buzzer can be used. The buzzer should be connected to the terminal block inside the intercom so that the POSITIVE wire of the buzzer connects to 'B' and the NEGATIVE wire of the buzzer connects to '-' as shown in Figure 1.

I.D. LABEL

Write or type the station's call number on the label supplied, peel off the backing, and apply to the unit in a visible location.

OPERATION

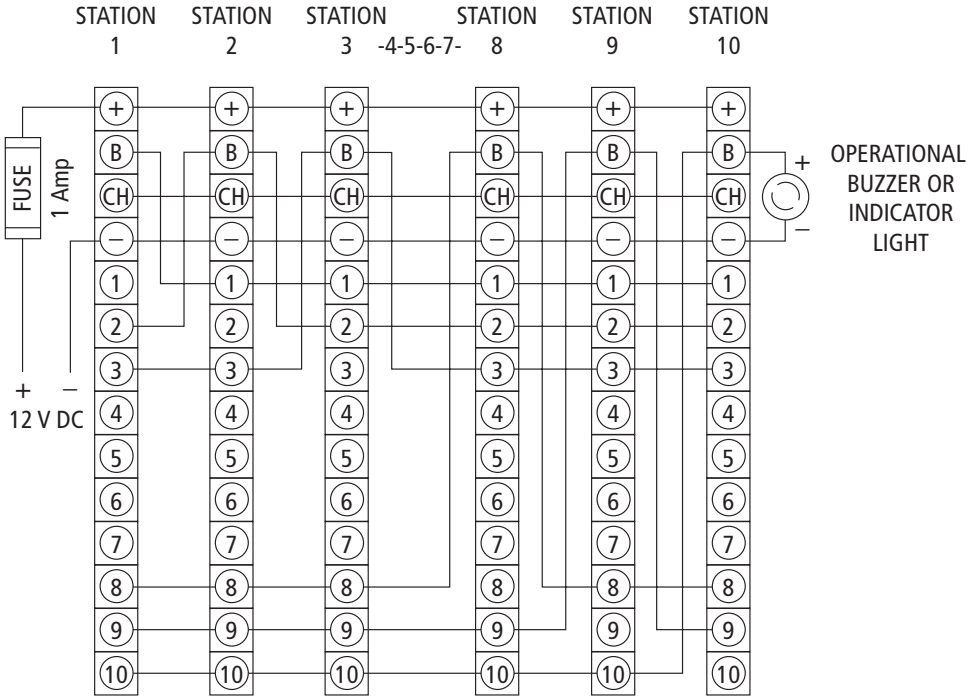
1. Pick up the handset and momentarily press the button corresponding to the station you wish to call. The buzzer will sound at the called station.
2. The person being called can then pick up the handset and talk in the usual manner.
3. When you have finished, place the handset back onto the base.

Note: The system has been designed so that during a conversation, any handset in the system can be lifted from its base and used to join in.

SPECIFICATIONS

Power Supply:	12 Volts DC @ 100 mA
Maximum Cable Length:	500 metres
No. of wires required:	Min 5 (2 Stations) Max 13 (10 Stations)
Operating Current:	10 mA per unit when talking 45 mA when paging (buzzing) another station.

Figure 1


STATION 1
STATION 2
STATION 3
-4-5-6-7-
STATION 8
STATION 9
STATION 10
FUSE
1 Amp
+
–
12 V DC
+
–
OPERATIONAL BUZZER OR INDICATOR LIGHT
+ B CH – 1 2 3 4 5 6 7 8 9 10

WARRANTY

GME limit this warranty to the original purchaser of the equipment.

GME warrant the TH10 to be free from defects in material and workmanship for a period of twelve (12) months from the date of purchase from their authorised Dealer.

Should the product require servicing during this period, all labour and parts used to effect repairs will be supplied free of charge. GME reserve the right to determine whether damage has been occasioned by accident, misuse or improper installation whereby the warranty would be void, including equipment which has been damaged due to:

(a) Reverse polarity connection to a battery or power supply.

(b) Connection to an incorrect supply voltage.

(c) Non factory modification or repairs.

(d) Use of incorrect or replacement fuse.

(e) Lightening strike or static discharge.

Procedure to be followed by claimant: In the event of a defect occurring during the warranty period, the original Purchaser may return the defective unit along with suitable proof of purchase date (i.e. receipt, docket, credit card slip etc.) and a full description of the defect to the Dealer from whom the unit was purchased. All freight charges incurred for transportation by the Dealer or GME are the Purchaser's responsibility.

GME AFTER SALES SERVICE

Your GME product is especially designed for the environment encountered in domestic or marine installations. The use of all solid state circuitry, careful design and rigorous testing, result in high reliability. Should failure occur however, GME maintain a fully equipped service facility and spare parts stock to meet the Customer's requirements long after expiry of the warranty period.

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