# Gallagher
# Remote Arming Terminal

## Installation Note

Gallagher Remote Arming Terminal, Cool Grey:  C200601
Gallagher Remote Arming Terminal, Charcoal:  C200602





Copyright © Gallagher Group Limited

**Disclaimer**

This document gives certain information about products and/or services provided by Gallagher Group Limited or its related companies (referred to as "Gallagher Group").

The information is indicative only and is subject to change without notice meaning it may be out of date at any given time. Although every commercially reasonable effort has been taken to ensure the quality and accuracy of the information, Gallagher Group makes no representation as to its accuracy or completeness and it should not be relied on as such. To the extent permitted by law, all express or implied, or other representations or warranties in relation to the information are expressly excluded.

Neither Gallagher Group nor any of its directors, employees or other representatives shall be responsible for any loss that you may incur, either directly or indirectly, arising from any use or decisions based on the information provided.

Except where stated otherwise, the information is subject to copyright owned by Gallagher Group and you may not sell it without permission. Gallagher Group is the owner of all trademarks reproduced in this information. All trademarks which are not the property of Gallagher Group, are acknowledged.

Copyright © Gallagher Group Ltd 2021. All rights reserved.

# Contents


1 Introduction ..... 3

2 Before you begin ..... 3
- 2.1 Shipment contents ..... 3
- 2.2 Power Supply Requirements ..... 3
- 2.3 Cabling ..... 3

3 Mounting ..... 4
- 3.1 Location ..... 4
- 3.2 Mounting Instructions ..... 4

4 Connecting to the Controller ..... 5

5 Initialisation ..... 6
- 5.1 Date Format ..... 6
- 5.2 Powering up ..... 6
- 5.3 Node Address ..... 6
- 5.4 Backlighting ..... 6

6 Approvals and Compliance Standards ..... 7

7 Technical Specifications ..... 8

# 1 Introduction

The Gallagher Remote Arming Terminal can be used by suitably authorised users to perform many of the alarm management operations normally available only from Gallagher Command Centre workstations.

Gallagher Remote Arming Terminals connect to a Gallagher Controller 6000. Refer to the section *"Connecting to the Controller"* later in this installation note for instructions on how to connect the Remote Arming Terminal to a Gallagher Controller.

# 2 Before you begin

## 2.1 Shipment contents

Unpack the Gallagher Remote Arming Terminal and check the shipment contains the following items:

- 1 x Gallagher Remote Arming Terminal
- 1 x Gallagher Remote Arming Terminal installation note (3E0002)
- 1 x Gallagher Remote Arming Terminal and Gallagher Security Fence Keypad User Guide (3E0084)
- 1 x Wall mounting bracket
- 2 x RJ12 connectors (for making a cable for connection from this Remote Arming Terminal to another Gallagher Controller, another local bus module or fitting an End of Line resistor)
- 2 x screws
- 2 x masonary wall plugs

## 2.2 Power Supply Requirements

Power required for the Gallagher Remote Arming Terminal is 13.6 V DC (± 15%) with current at 300mA per terminal. This means that the voltage at the terminals, with the Remote Arming Terminal operating, should be at least 11.6 V DC. It is recommended you target a minimum of 12 V DC.

## 2.3 Cabling

Prior to installing a Gallagher Remote Arming Terminal, the building cabling (RS485 and power) must have been carried out.

The total cable length is 1220m (4000ft). To avoid voltage drop in cable runs, it is recommended to run separate DC power and communications cabling. However, a single cable run is possible, as long as the voltage and current do not drop below the required levels.

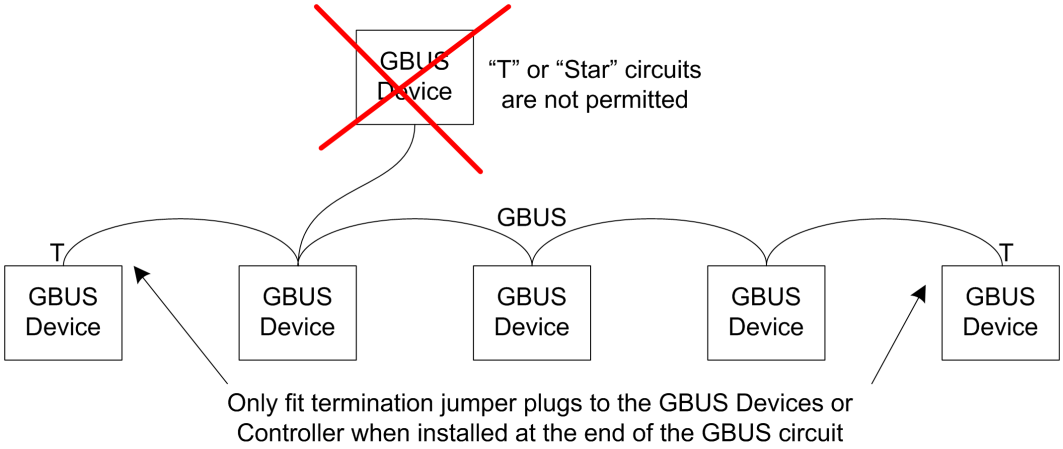
#### GBUS Communication Cabling

The Gallagher Command Centre communication circuit between the Gallagher Controller and all sub-units is referred to as GBUS Communications. The electrical specification for GBUS meets the standard for RS485.

The cable type used should be a low capacitance cable such as RS485 data cable or CAT 5 cable. Note that this cable type is only suitable for the communications circuit. The power supply cable must be of sufficient size to ensure that the voltage at the GBUS unit terminals is the recommended 12 Vdc.


Copyright © Gallagher Group Limited

The cabling between GBUS devices should be done in a “daisy chain” or serial format, (i.e. a “T” or “star” format should not be used). The end devices on the GBUS cable should have the terminating jumper plug fitted, to terminate the GBUS circuit in 120 ohms resistance.




**Cable Termination**

When a Remote Arming terminal is installed as an end device, the terminating resistor must be installed using the spare RJ11 connector and socket.

**DC Power**

The maximum recommended length of the DC power cable is dependant on the diameter of the conductor and the current drawn by the Remote Arming Terminal.

# 3 Mounting



**ATTENTION:** This equipment contains components that can be damaged by electrostatic discharge. Ensure both you and the equipment are earthed before beginning any servicing.

## 3.1 Location

Find a location to mount the Remote Arming Terminal. Considerations when selecting a location:

- Easy access for arming and disarming the system.
- Should be mounted in a secure location in order to deter unauthorised tampering.
- Weather and extreme temperature protection.
- Visibility. Should be hidden from casual observers.

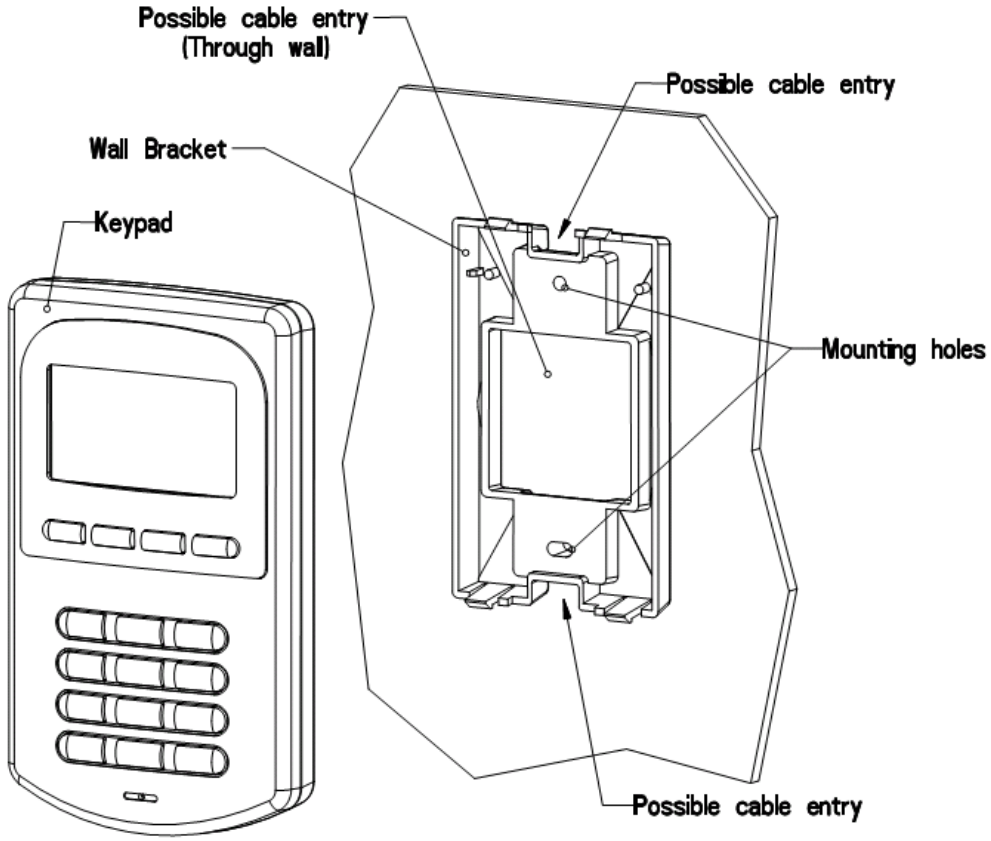
## 3.2 Mounting Instructions

1. Either:
   - Mark and drill the mounting holes using the wall mount bracket as a template, OR
   - Use a flush box mounted in or on the wall to support the Remote Arming Terminal.
2. Screw the wall bracket on to the wall / flush box with the screws provided, ensuring that the network cable is inserted.


Copyright © Gallagher Group Limited

**Note:** If mounting the Remote Arming Terminal on concrete or brick, use the masonary wall plugs provided.

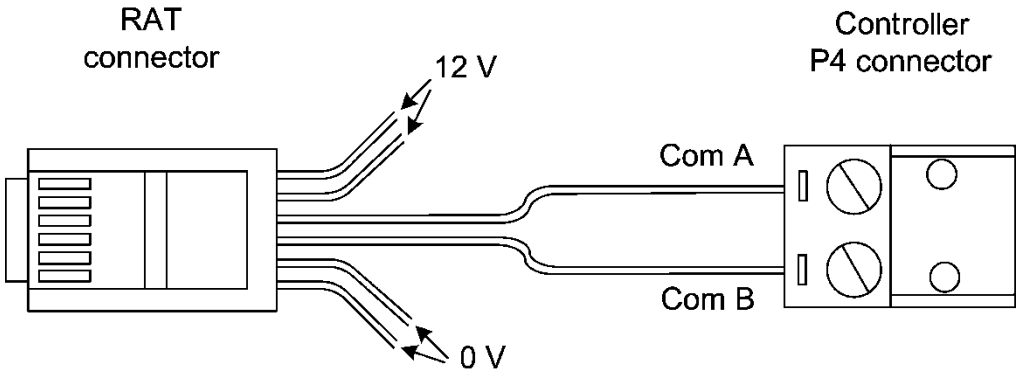
3. Plug the network cable into either of the 6 way sockets on the back of the Remote Arming Terminal.
4. Clip the Remote Arming Terminal onto the mounting bracket.




*Remote Arming Terminal mounting*
*(Note correct bracket orientation)*

## 4 Connecting to the Controller

The following diagram indicates how to connect the Remote Arming Terminal to the Controller 6000.




**Note:** It is important you have ComA and ComB connected the right way round on the Gallagher Controller 6000, otherwise the Remote Arming Terminal will not come online.


Copyright © Gallagher Group Limited

# 5 Initialisation

## 5.1 Date Format

It is possible to alter the date format that displays on a Remote Arming Terminal LCD screen. The date format is based on the Windows Regional Settings on the server (via **Control Panel** > **Regional and Language Options**).

Ensure that you have the correct regional date format selected, (i.e. either dd/MM/yyyy or MM/dd/yyyy), **prior** to installing or upgrading Gallagher Command Centre for the server and each Gallagher Controller.

## 5.2 Powering up

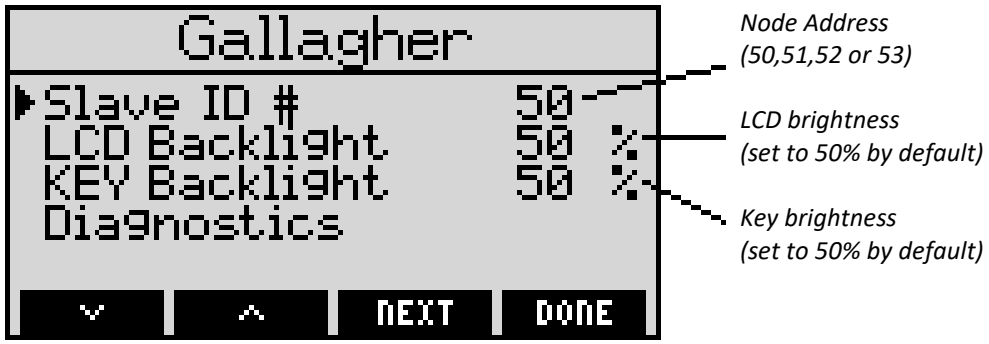
When you first power up the Remote Arming Terminal, the version of code on the Remote Arming Terminal displays for 1-2 seconds on the LCD.

**Note:** When Remote Arming Terminals are plugged onto the 12V supply that the Gallagher Controller 6000 is running on, and they are first powered up, you may see a *"Controller Power low"* alarm. This alarm restores immediately with a power back to normal (within 1-2 seconds).

## 5.3 Node Address

The node address can be set by pressing the **1** and **3** keys together when powering up the Remote Arming Terminal. The possible node addresses are 50, 51, 52 and 53. By pressing the ˅ and ˄ keys you can select the node address. Press the DONE key when finished. The node address should be set as per the Hardware information print out.

**Note:** The node address can be set at any time and is retained by the Remote Arming Terminal when power is removed.




**Note:** The above screen will only display for 5 seconds if you do not take any action, (i.e. you do not set the node address or adjust the backlighting settings). To get the screen to re-display you will need to power up the Remote Arming Terminal again while pressing the **1** and **3** keys.

## 5.4 Backlighting

The LCD and key backlighting can be adjusted when setting the node address, as follows:

1. Press the **1** and **3** keys when powering up the Remote Arming Terminal.
2. Press the NEXT key to scroll to either "LCD Backlighting" or "KEY Backlighting".
3. By pressing the ˅ and ˄ keys you can increase/decrease the percentage until you reach the desired brightness.
4. Press the DONE key when finished.


Copyright © Gallagher Group Limited

# 6 Approvals and Compliance Standards

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Note:** Changes or modifications not expressly approved by Gallagher Group Limited could void the user's authority to operate the equipment.

**UL Installations**

Please refer to the document "3*E2793 Gallagher Command Centre UL Configuration Requirements*" for a guide to configuring the Gallagher system to the appropriate UL Standard. Installers must ensure these instructions are followed to ensure the installed system is UL compliant.

AS/NZS IEC 60839.11.1:2019 Grade 3, Class II

EN50130-4
EN55022

CE

SECURITY
c UL us
LISTED

c UL
Type G

14RM

AS/NZ3548
CISPR22

ACN:002132943


Copyright © Gallagher Group Limited

# 7 Technical Specifications

| | |
|---|---|
| **Power Supply** | |
| Voltage: | 13.6 ± 15% V dc |
| Current: | 150 mA |
| Power Consumption: | 2W |
| **Environmental** | |
| Temperature range: | -10°C to +40°C (+14°F to +104°F) ambient outside |
| Humidity: | 95% non-condensing |
| **Measurements** | |
| Weight: | 0.3kg (0.6lb) |
| Dimensions: | 105mm x 170mm x 25mm (4 x 6¾ x 1") |


Copyright © Gallagher Group Limited