



GAI-TRONICS®
A HUBBELL COMPANY

HUBBCOM GRC600 Remote Station



Quick Installation Guide

General Information



This guide covers the installation of the HUBBCOM Remote Station, Model GRC600. The Model GRC600 Remote Station is designed for access control. See the GAI-Tronics website at <https://www.gai-tronics.com> for system specifications, warranty information, and the GUDA (GAI-Tronics Universal Device Application).

Important Safety Instructions



- **Read, follow, and retain instructions**—All safety and operating instructions should be read and followed before operating the unit. Retain instructions for future reference.
- **Heed warnings**—Adhere to all warnings on the unit and in the operating instructions.
- **Attachments**—Attachments not recommended by the product manufacturer should not be used, as they may cause hazards.
- **Servicing**—Do not attempt to service this unit by yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Changes or Modifications Not Expressly Approved By GAI-Tronics For Compliance Could Void The User's Authority To Operate The Equipment.**

 **ATTENTION**  —Install equipment without modification and according to all applicable local, national, and international electrical codes. North America - Consult the National Electrical Code (NFPA 70), Canadian Standards Association (CSA 22.1), and local codes for specific requirements regarding your installation. Class 2 circuit wiring must be performed in accordance with the NEC.

These enclosures must be installed by trained, qualified and competent personnel. Installation must comply with state and national regulations, as well as safety practices for this type of equipment.

 **WARNING**  —Use only 24 V dc power supplies that conform to UL/CSA/CE Class II, Double Insulated supplies with over voltage and short circuit protection. Use only a dc source with a 50-watt maximum output or fuse the supply with a 2-amp fuse. EMI standards to Class B.

- **Onderhoud**—Probeer dit apparaat niet zelf te repareren. Het openen of verwijderen van afdekkingen kan u blootstellen aan gevaarlijke spanning of andere gevaren. Laat alle onderhoud over aan bevoegd onderhoudspersoneel.
- HUBBCOM Smart Controllers zijn alleen bedoeld voor gebruik binnenshuis.

 **AANDACHT**  —Gebruik alleen 24 VDC-voedingen die voldoen aan UL / CSA / CE Klasse II, dubbel geïsoleerde voedingen met overspanning en kortsluitbeveiliging. Gebruik alleen een DC-bron met een maximale output van 50 W of fuseer de voeding met een 2-ampère zekering. EMI-normen voor klasse B.

- **Dépannage**—N'essayez pas de réparer cet appareil vous-même. Ouvrir ou retirer les capots peut vous exposer à des tensions dangereuses ou à d'autres dangers. Confiez toute réparation à un personnel qualifié.
- Les contrôleurs intelligents HUBBCOM sont conçus pour une utilisation en intérieur uniquement.

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VISIT WWW.GAI-TRONICS.COM FOR PRODUCT LITERATURE AND MANUALS

**ATTENTION**

—Utilisez uniquement des alimentations 24 Vcc conformes à UL / CSA / CE Classe II, des alimentations à double isolation avec protection contre les surtensions et les courts-circuits. Utilisez uniquement une source cc avec une sortie maximale de 50 watts ou fusionnez l'alimentation avec un fusible de 2 ampères. Normes EMI à la classe B.

- Manutenzione—non tentare di riparare l'unità da soli. L'apertura o la rimozione dei coperchi potrebbero esporre a tensioni pericolose o altri rischi. Rivolgersi a personale qualificato per l'assistenza.
- Gli HUBBCOM Smart Controller sono progettati esclusivamente per uso interno.

**AVVERTIMENTO**

—Utilizzare solo alimentatori a 24 V cc conformi a UL / CSA / CE Classe II, alimentatori a doppio isolamento con protezione da sovratensione e cortocircuito. Utilizzare solo una fonte di corrente continua con un'uscita massima di 50 watt o collegare l'alimentazione con un fusibile da 2 A. Standard EMI per la classe B.

- Mantenimiento—no intente reparar esta unidad por sí mismo. Abrir o quitar las cubiertas puede exponerlo a un voltaje peligroso u otros peligros. Remita todo el servicio a personal de servicio calificado.
- Los controladores inteligentes HUBBCOM están diseñados para uso en interiores solamente.

**ADVERTENCIA**

—Utilice solo fuentes de alimentación de 24 V cc que cumplan con UL / CSA / CE Clase II, fuentes con doble aislamiento con sobretensión y protección contra cortocircuitos. Utilice solo una fuente de CC con una salida máxima de 50 vatios o fusione la fuente con un fusible de 2 amperios. Estándares EMI a Clase B.

Installation

The HUBBCOM Remote Station can be surface mounted on a wall or flush mounted using a (customer provided) two-gang electrical box.

Safety Hardware

The HUBBCOM Remote Station described in this manual is vandal resistant. The front cover is attached to the mounting plate with security screws. A Torx T-10 security screwdriver is required to install the station.

Surface-mount

1. Remove the two security screws from the bottom of the station.
2. Drill two holes through the mounting plate at the drill points and corresponding holes in the mounting surface.
3. Secure the mounting plate to the wall using ? (customer supplied).
4. Feed the Ethernet cable and all additional cables through the hole in the mounting plate.
5. Complete all necessary cable terminations (see the [Wiring](#) section).
6. Assemble the front cover to the mounting plate and secure it with the two security screws removed from the bottom of the station in Step 1.
7. Tighten the screws to 3–5 in·lb.

Flush-mount

NOTE: A customer supplied two-gang electrical box is required to flush-mount the HUBBCOM Remote Station.

1. Install the two-gang electrical box in the mounting surface.
2. Remove the two security screws from the bottom of the station.
3. Feed the Ethernet cable and all additional cables into the electrical box and through mounting plate.
4. Assemble the mounting plate to the electrical box using #6-32 x ½-inch flat head screws (customer supplied).
5. Complete all necessary cable terminations (see the [Wiring](#) section).

6. Assemble the front cover to the mounting plate and secure with the two security screws removed from the bottom of the station in Step 2.
7. Tighten the screws to 3–5 in·lb.

Wiring

HUBBCOM Remote stations are equipped with screw connection terminal blocks that accept 26–16 AWG wires.

Power

Complete the following steps to terminate the input power cable at terminal block TB1:

1. Install appropriately sized ferrules onto the wire ends.
2. Install each wire into the correct terminal (See [Table 1](#)).

Table 1.

Purpose	Term Block-Pin	Label
Power –	TB1-1	–
Power +	TB1-2	+

Ethernet

Complete the following steps to terminate the Ethernet cable at terminal block TB2:

1. Install appropriately sized ferrules onto the wire ends.
2. Install each wire into the correct terminal (See [Table 2](#)).

Table 2.

Purpose	Term Block-Pin	Label
Ethernet	TB2-1	A+
Ethernet	TB2-2	A-
Ethernet	TB2-3	B+
Ethernet	TB2-4	C+
Ethernet	TB2-5	C-
Ethernet	TB2-6	B-
Ethernet	TB2-7	D+
Ethernet	TB2-8	D-

Output Contacts

Complete the following steps to terminate the output connections at terminal block TB3:

1. Install appropriately sized ferrules onto the wire ends.
2. Install each wire into the correct terminal (See [Table 3](#)).

Table 3.

Purpose	Term Block-Pin	Label
Output	TB3-1	GND
Output	TB3-2	+

USB1 & USB2

Complete the following steps to terminate the USB connections at terminal blocks TB4 and TB5:

1. Install appropriately sized ferrules onto the wire ends.
2. Install each wire into the correct terminal (See [Table 4](#)).

Table 4.

Purpose	Term Block-Pin	Label
USB1	TB4-1	GND
	TB4-2	DP
	TB4-3	DN
	TB4-4	P
USB2	TB5-1	GND
	TB5-2	DP
	TB5-3	DN
	TB5-4	P

Data/Input Contacts

Complete the following steps to terminate the data and input connections at terminal block TB6:

1. Install appropriately sized ferrules onto the wire ends.
2. Install each wire into the correct terminal (See [Table 5](#)).

Table 5. Input Terminations at Terminal Block TB6

Purpose	Term Block-Pin	Label
	TB6-1	DG
	TB6-2	D1
	TB6-3	D0
	TB6-4	IN4
	TB6-5	GND
	TB6-6	IN3
	TB6-7	GND
	TB6-8	IN2
	TB6-9	GND
	TB6-10	IN1

Service and Spare Parts

Contact a regional service center for assistance if the equipment requires service or spare parts. An RA# (return authorization number) will be issued if service is required. Equipment must be shipped prepaid to GAI-Tronics with a return authorization number and a purchase order number. Repairs or a replacement will be made in accordance with GAI-Tronics’ warranty policy if the equipment is under warranty. Please include a written explanation of all defects to assist our technicians in their troubleshooting efforts. Call 800-492-1212 inside the USA or 610-777-1374 outside the USA for help with identifying the regional service center closest to you.

Specifications

Temperature Range.....-30 °C to 66 °C (-22 °F to 150 °F)

Approvals

Compliance to Standard.....FCC CFR 47 Part 15 Class A
 FCC ID: XXXYYYYYYYYYYYYYYY
 (IC ONLY) IC: XXXXX-XXXXXXXXXXXX

(IC ONLY) TRADE NAME: TTTTTT
 MODEL (NUMBER): MMMMM

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.