

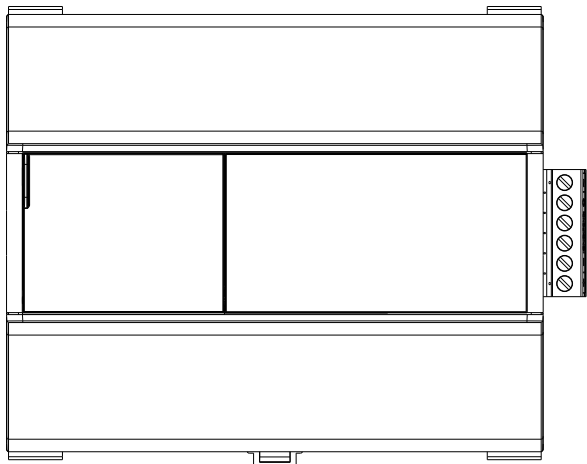
Honeywell Forge Gateway

MOUNTING INSTRUCTIONS

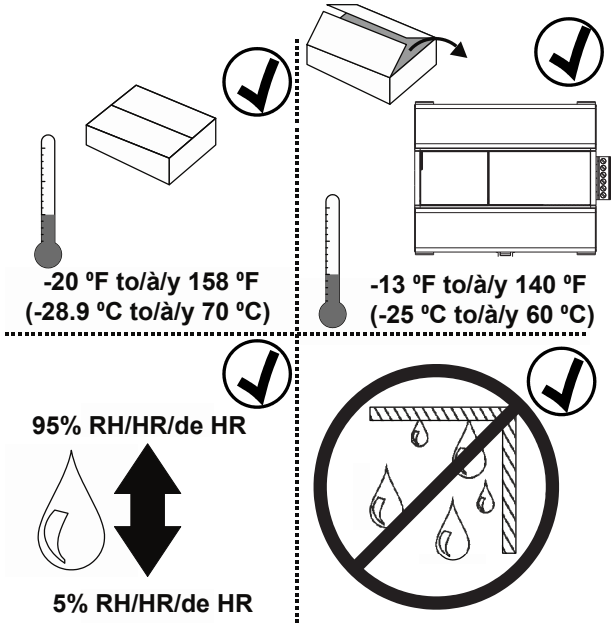
E	Keep these instructions together with the device or with the equipment documentation! Only qualified personnel may perform electrical connections for 230 VAC.	F	Cette instruction est à conserver avec le contrôleur ou avec la documentation de l'installation ! Le raccordement électrique pour le 230 VAC ne peut être effectué que par le personnel autorisé.	P	Guarde estas instruções junto do regulador ou junto da documentação da instalação! A ligação eléctrica a 230 VAC só deve ser efectuada por pessoal especializado.
D	Diese Anleitung ist beim Gerät oder in der Anlagendokumentation aufzubewahren! Elektrisches Anschließen von 230 VAC ist nur durch autorisiertes Fachpersonal gestattet.	I	Queste istruzioni devono essere conservate insieme al lettore o con la documentazione dell'impianto! I collegamenti a 230 VCA devono essere eseguiti da personale qualificato.	S	Denna instruktion skall förvaras tillsammans med regler eller anläggningsdokumentationen! Elektrisk anslutning med 230 VAC får endast utföras av behörig personal.
DK	Opbevar denne vejledning sammen med regler eller med anlægsdokumentationen! Elektrisk tilslutning for 230 VAC bør kun foretages af autoriserede personer.	N	Denne veiledningen skal oppbevares sammen med regler eller anleggsdokumentasjonen! Elektrisk tilkøpling med 230 VAC må kun utføres av fagfolk.	FI	Tätä ohjetta tulee säilyttää laitteen läheisyydessä tai yhdessä muiden dokumenttien kanssa! Vain asianmukaiset oikeudet omaava henkilö saa suorittaa 230 VAC käyttöjännitteen liitântätöitä.
ES	Conserve estas instrucciones con el recalar o con la documentación de la instalación. La conexión eléctrica a 230 VCA debe hacerse solamente por personal cualificado.	NL	Deze handleiding moet bij de regelaar, of met de documentatie van de installatie worden bewaard! De elektrische aansluiting voor 230 VAC mag alleen door geautoriseerd personeel worden uitgevoerd.	PL	Instrukcję obsługi należy przechowywać przy urządzeniu albo w dokumentacji technicznej. Tylko autoryzowany serwis jest upoważniony do podłączenia do 230 VAT.
SC	请将此装配说明书与设备或者与设备的其他文档保存在一起！ 230 V 交流电的接线 操作仅允许由合格的专业人员执行	TC	請將此裝配說明書與設備或者與設備的其他文件儲存在一起！ 僅能由合格的专业人員進行230 V交流電的接線作業。	K	본 설치 설명서를 해당 장치 또는 관련 문서와 함께 보관하시기 바랍니다. 230VAC 전원 연결은 관련 작업 전문가에 의해 수행되어야 합니다.

1. CONTENTS OF SHIPMENT

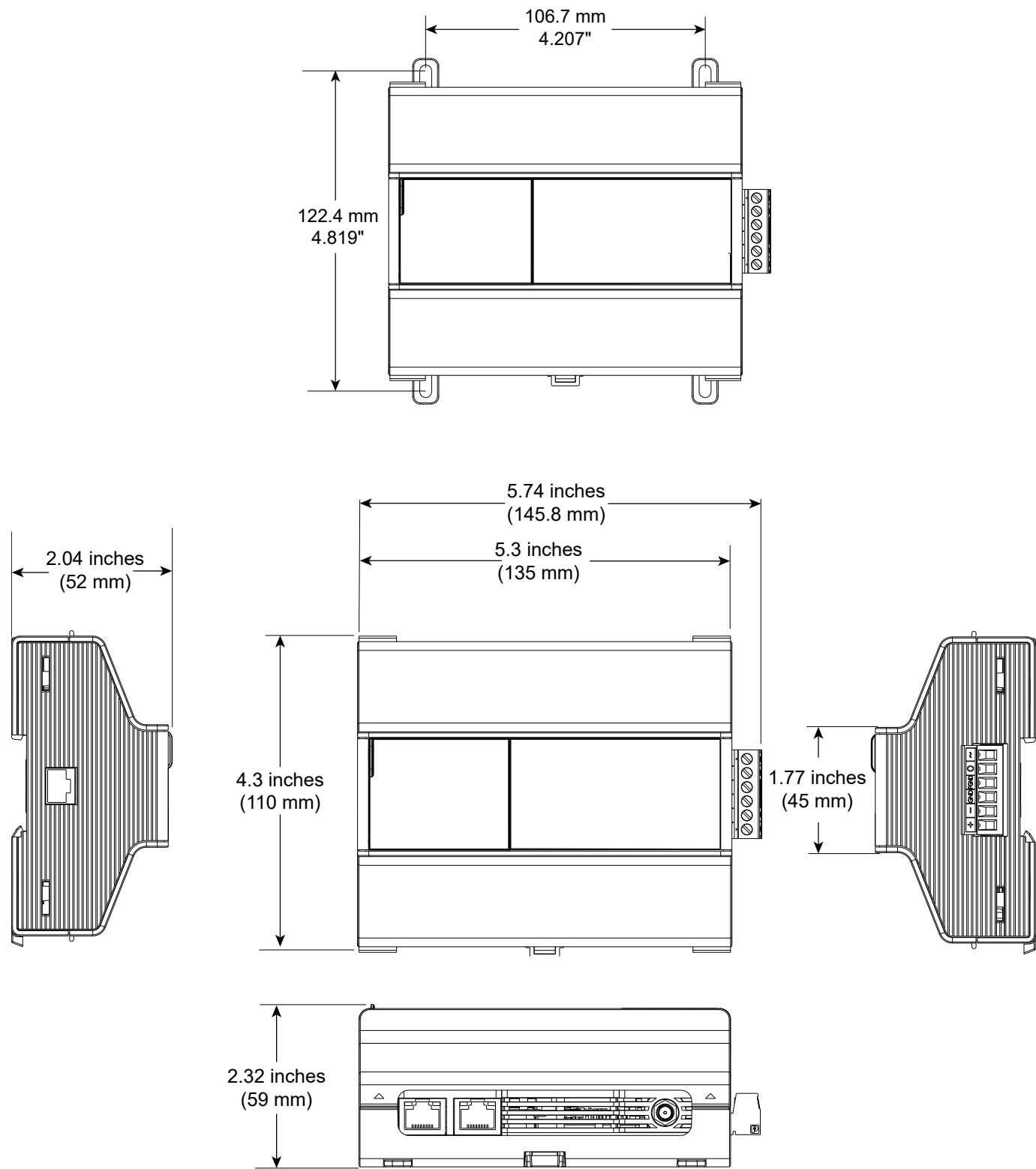
- Gateway with Protective Cover: 1 Qty
- Safety Sheet: 1 Qty
- Mounting Instruction Guide: 1 Qty
- Quick Start Guide: 1 Qty



2. STORAGE AND OPERATION

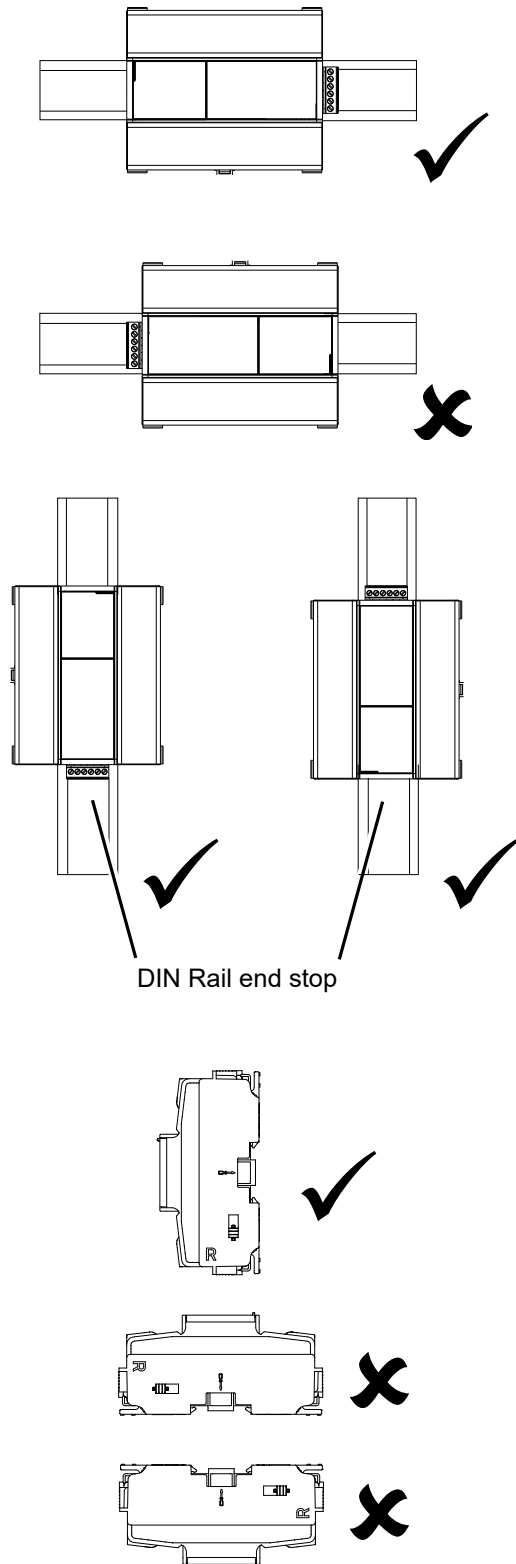


3. DIMENSIONS



4. MOUNTING PRECAUTIONS

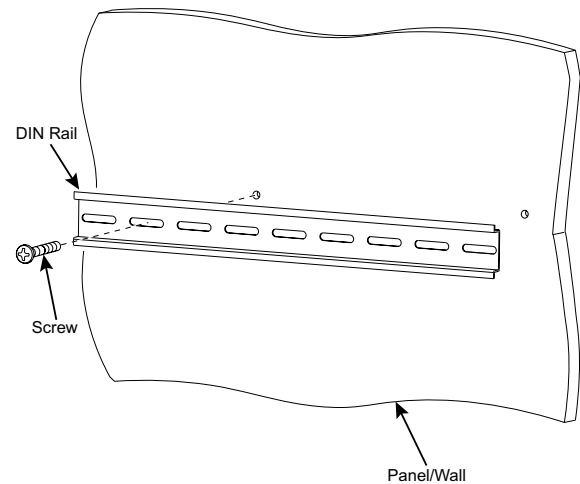
The Gateways and wiring adapter support both horizontal and vertical DIN rail mounting on a vertical surface. Do not mount on a horizontal surface.



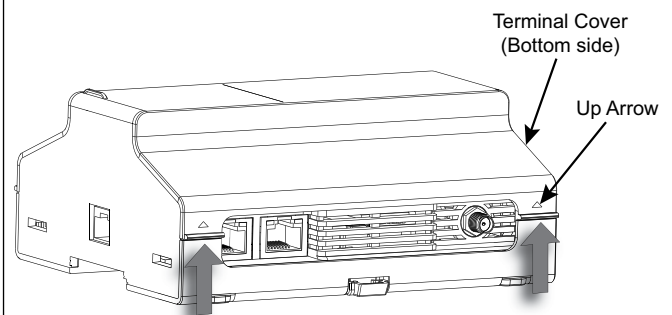
5. INTRODUCTION

This document contains mounting instructions for HFB-FC-FGW Gateways and its accessories. These Gateways can be mounted on the wall, panel, and DIN rail.

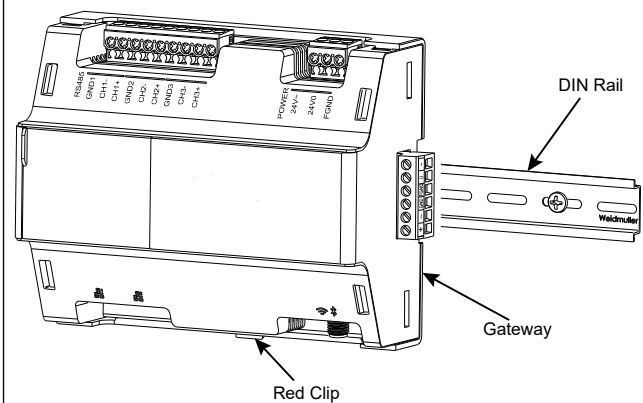
1. Mount the DIN rail on the wall or panel by using screws.



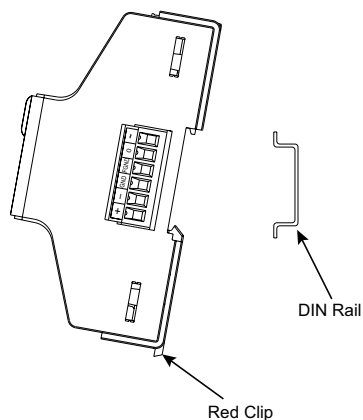
2. Remove the bottom Terminal Cover from the Gateway. Use your fingers to push the cover upwards as shown in the below figure.



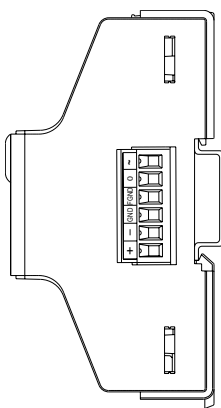
3. Remove the top Terminal Cover as described in the previous step.
4. Hold the Gateway in an orientation such that the red clip is facing downwards and towards the DIN rail.



5. Tilt the Gateway as shown in the below figure.



6. Mount the top side of the Gateway on the DIN rail and then push the bottom side of the Gateway until the red clip on the Gateway clamps with the DIN rail.

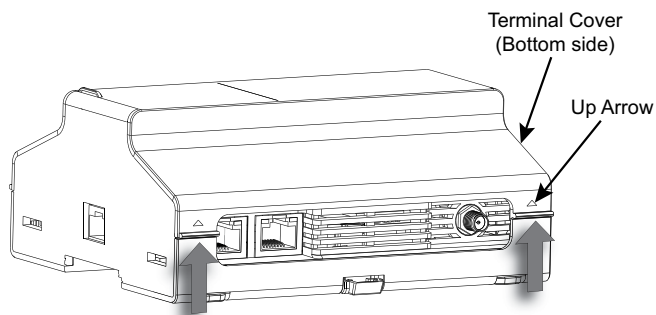


7. Connect the terminal wires, Ethernet cables, and antenna (if applicable).

8. Re-mount the terminal covers.

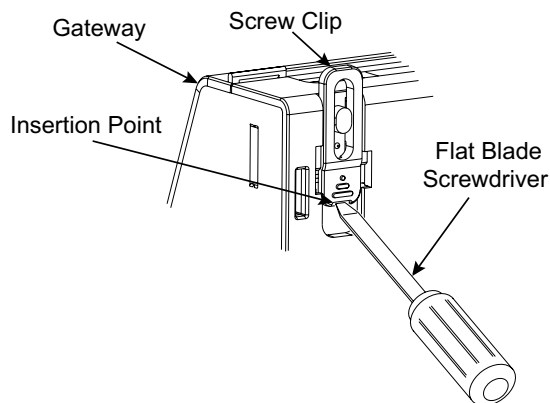
6. MOUNTING THE GATEWAY ON A WALL/PANEL USING SCREW

1. Remove the bottom Terminal Cover from the Gateway. Use your fingers to push the cover upwards as shown in the below figure.

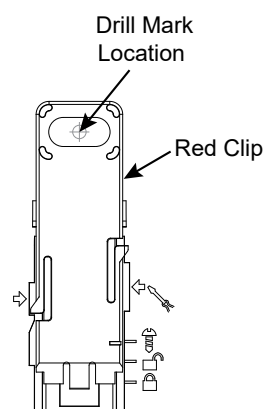


2. Remove the top Terminal Cover as described in the previous step.

3. Extend all the screw clips on the Gateway by placing a flat blade screwdriver on the slot as shown and slide out.



4. Hold the Gateway along the wall and mark four drilling locations through the higher point of the screw clip slots as shown in the below figure.



5. Remove the Gateway from the wall and drill four holes at the marked locations.

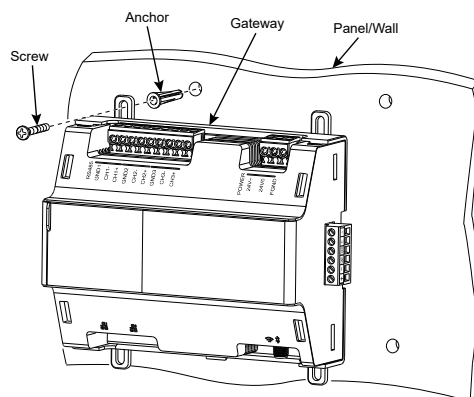
6. Insert anchors into the four mounting screw holes.

7. Hold the Gateway along with the wall/panel so that the holes are aligned.

8. Insert the screws into the topside holes first and fasten them with a screwdriver.

NOTE: It is recommended to use the 6-18 1" pan head Phillips tapping screws.

9. Insert the screws into the bottom holes and fasten them with a screwdriver.



10. Hold the Gateway along the wall and mark four drilling locations through the higher point of the screw clip slots as shown in the below figure.

11. Replace the Terminal Cover or install the Extended Terminal Cover (for more information, see the "Extended Terminal Cover" section).

7. EXTENDED TERMINAL COVER

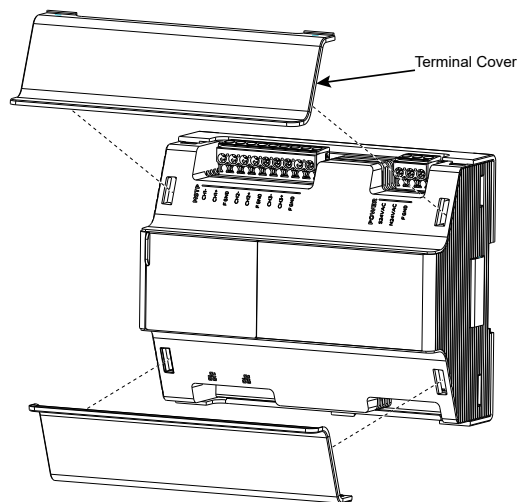
Extended Terminal Covers are used for protecting the Gateway terminals from being tampered and avoid human contact when the Gateway is mounted on a wall/door. These covers must be purchased separately.

Mounting Extended Terminal Covers

NOTE: The Extended Terminal Covers must be installed only after completing the terminal wiring and the antenna installation.

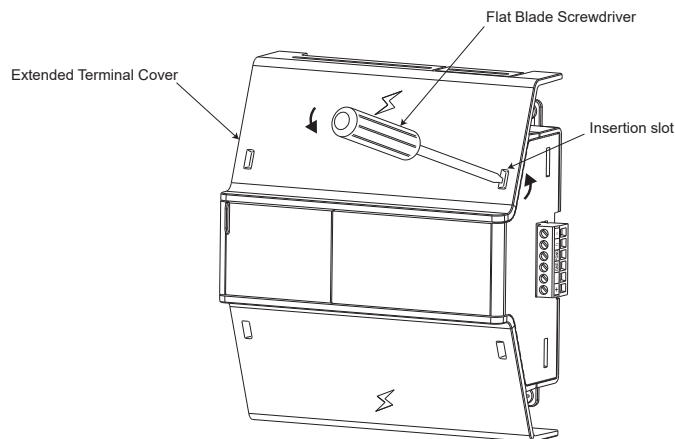
1. Place the upper Extended Terminal Cover on the top side of the Gateway so that the rectangular slots of the Gateway and the rectangular clip of the Extended Terminal Cover are aligned.
2. Push the Extended Terminal Cover using both hands until the cover firmly attached to the Gateway.
3. Repeat the step above to mount the lower Extended Terminal Cover.

NOTE: To remove the Extended Terminal Cover, a flat blade screwdriver is required. See the "Removing Extended Terminal Covers" section for details.



8. REMOVING THE EXTENDED TERMINAL COVERS

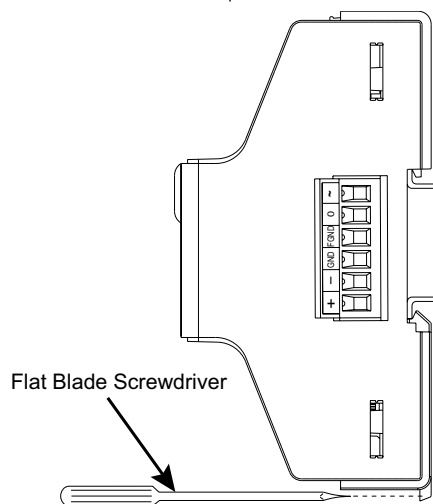
1. Insert a flat blade screwdriver into the rectangular slot as shown in the below figure.



2. Use the flat blade screwdriver as a lever, pull out the top Extended Terminal Cover.
3. Repeat the steps above to remove the bottom Extended Terminal Cover.

9. REMOVING THE GATEWAY FROM THE DIN RAIL

1. Remove the Terminal Covers if applicable.
2. Disconnect all the communication and power supply terminals from the Gateway.
3. Uninstall the antenna by turning the antenna terminal nut anticlockwise.
4. Hold the Gateway with one hand and insert a flat blade screwdriver into the red clip slot.



5. Pull the red clip downward by using the flat blade screwdriver.
6. After the Gateway is released from the DIN rail, slightly tilt the Gateway on the horizontal axis, lift and detach the Gateway from the DIN rail.

10. REMOVING THE GATEWAY FROM THE WALL/PANEL

1. Remove the Extended Terminal Covers if applicable (see the Removing the Extended Terminal Cover section).
2. Disconnect all the communication and power supply terminals from the Gateway.
3. Disconnect the antenna by turning the antenna terminal nut anticlockwise.
4. Unscrew the bottom side screws first by using a screwdriver.
5. Hold the Gateway with one hand and unscrew the top side screws by using a screwdriver.

SPECIFICATIONS OF THE GATEWAY

POWER CONSUMPTION				
GATEWAY	POWER CONSUMPTION		CURRENT CONSUMPTION	
	24 VAC	24 VDC	24 VAC	24 VDC
HFB-FC-FGW	Max. 35 VA	Max. 15 W	1430 mA	620 mA

ELECTRICAL	
PARAMETER	SPECIFICATION
Operating Voltage (AC)	19 to 29 VAC (50/60Hz)
Operating Voltage (DC)	19 to 29 VDC
Overvoltage Protection	Protected against overvoltage of max. 29 VAC or 40 VDC. Terminals protected against short-circuiting.

OPERATIONAL ENVIRONMENT	
PARAMETER	SPECIFICATION
Ambient Operating Temperature	32 to 122 °F (0 to 50 °C)
Ambient Operating Humidity	5 to 95% relative humidity (noncondensing)
Storage Temperature	-22 to 158 °F (-30 to +70 °C)
Ambient Storage Humidity	5 to 95% relative humidity (noncondensing)
Vibration Under Operation	0.024" double amplitude (2 to 30 Hz), 0.6 g (30 to 300 Hz)
Dust, Vibration	According to EN60730-1
RFI, EMI	Residential, commercial, and light industrial environments
MTBF (Mean Time Between Failure)	11.5 years

STANDARDS AND APPROVALS

Protection Class	IP20
Product Standards	UL60730-1, UL60730-2-9, UL916, EN60730-1, EN60730-2-9, CAN/CSA-E60730-1
Testing Electrical Components	IEC68
Certification	<ul style="list-style-type: none"> • UL60730-1 • UL916 • CE • FCC Part15, Subpart B • CAN ICES-3 (B)/NMB-3(B) • RCM • RoHS III

IMPORTANT: Keep mains power supply and loads cables separate from signal wiring!

REGULATORY INFORMATION

FCC REGULATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

However, there is no guarantee that interference will not occur in a particular installation.

Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one or more of the following measures:

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



WARNING

Electrical Shock Hazard.

Can cause severe injury, death, or property damage. Disconnect the power supply before beginning installation to prevent electrical shock and equipment damage. More than one power supply may have to be disconnected.

It is prohibited to connect any of the RJ45 sockets of the Gateway to a so-called PoE-enabled device ("Power over Ethernet").



CAUTION/MISE EN GARDE/PRECAUCIÓN

To reduce the risk of fire or electric shock, do not interconnect the outputs of different Class 2 circuits.

WEEE



WEEE Directive 2012/19/EC Waste

Electrical and Electronic Equipment Directive

- At the end of the product life, dispose of the packaging and product in an appropriate recycling center.
- Do not dispose of the device with the usual domestic refuse.
- Do not burn the device.

REFERENCE TECHNICAL LITERATURE

TITLE	LITERATURE NUMBER
Honeywell Forge Gateway Product Datasheet	31-00811-01
Honeywell Forge Gateway Quick Start Guide	31-00819-01
Honeywell Forge Gateway Installation Instruction	31-00814-01