



**Auer Signal**

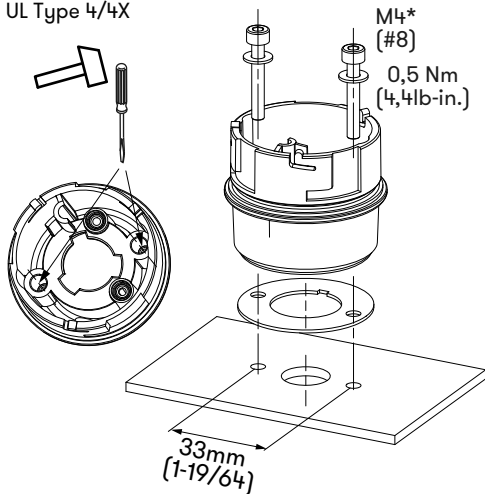
# Modul Compete 50 Signal Tower

-30°C to +60°C [-22°F to +140°F]

mm  
[in.]

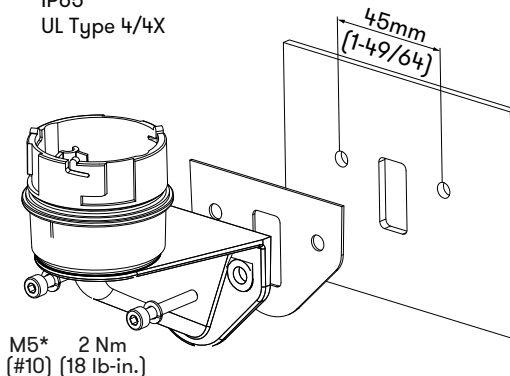
## CT5MW

IP65  
UL Type 4/4X



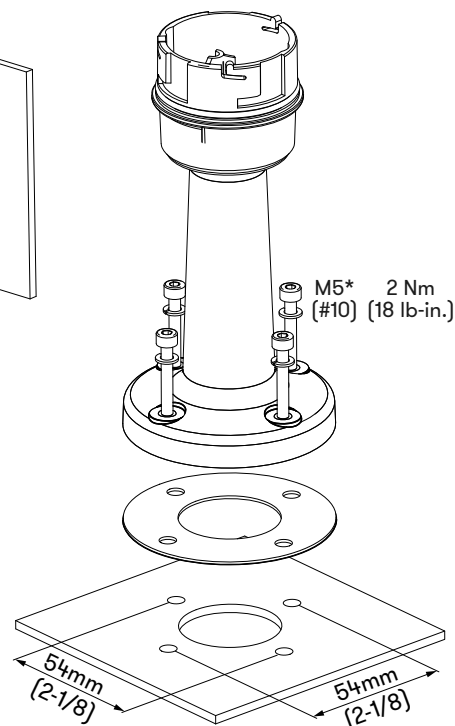
## CT5MV

IP65  
UL Type 4/4X



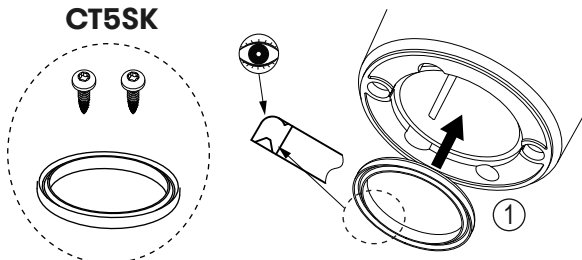
## CT5KR1, CT5MRx

IP65  
UL Type 4/4X

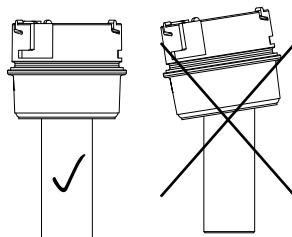
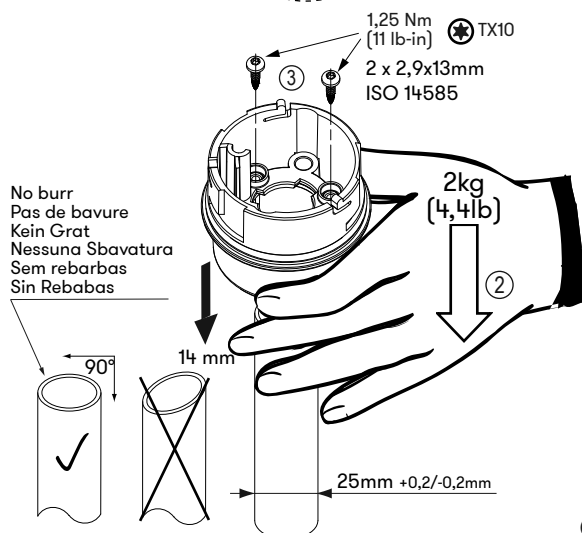


**Metal tube**  
**Tube métal**  
**Metallrohr**  
**Tubo Metallico**  
**Tubo de metal**  
**Tubo metálico**

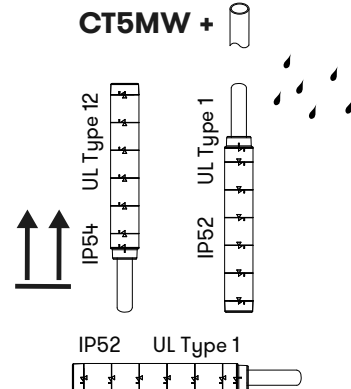
## CT5SK



No burr  
Pas de bavure  
Kein Grat  
Nessuna Sbravatura  
Sem rebarbas  
Sin Rebabas

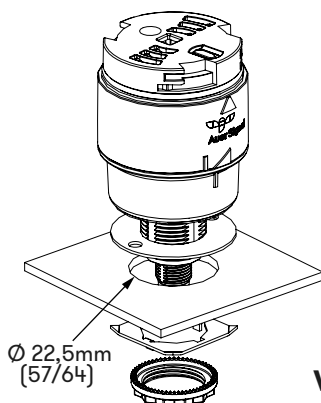


## CT5MW +

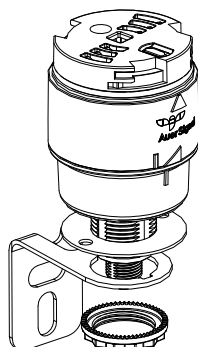


## CT5MC5

IP65 UL Type 4/4X



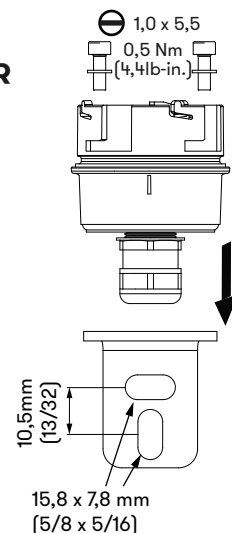
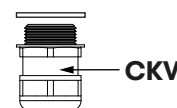
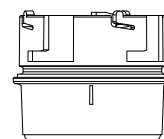
IP65 UL Type 1



**WM22**

## CT5NPT + CT5BR

IP65 UL Type 4/4X



**WARNING****AVERTISSEMENT****WARNUNG****AVVERTENZA****ATENÇÃO****ADVERTENCIA**

Do not use strobe lights around anyone suffering from cerebral disorders (epilepsy). Strobe lights may cause seizures to occur.

Ne pas utiliser de stroboscopique à proximité de personnes souffrant de problèmes cérébraux (épilepsie), afin d'éviter tout risque de crise.

Verwenden Sie keine Blitzleuchten-Module im Nahbereich von Personen die an Epilepsie leiden.

Non usare luci stroboscopiche nelle vicinanze di persone sofferenti di epilessia.

Não usar luzes strobe perto de pessoas sofrendo de problemas cerebrais (epilepsia). Estas luzes podem provocar um ataque.

No utilizar luz estroboscópica alrededor de personas con problemas cerebrales (epilepsia).

La luz estroboscópica puede causar ataques epilépticos.

**WARNING****AVERTISSEMENT****WARNUNG****AVVERTENZA****ATENÇÃO****ADVERTENCIA**

Check power supply voltage and frequency. Use only modules and lamps with the same voltage and frequency ratings. Disconnect from power source to prevent electrical shock before installing or servicing.

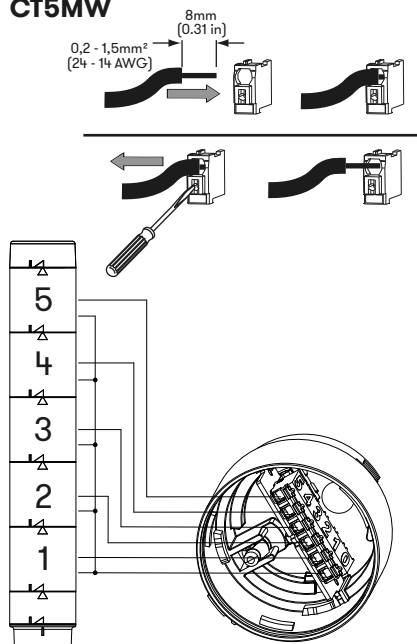
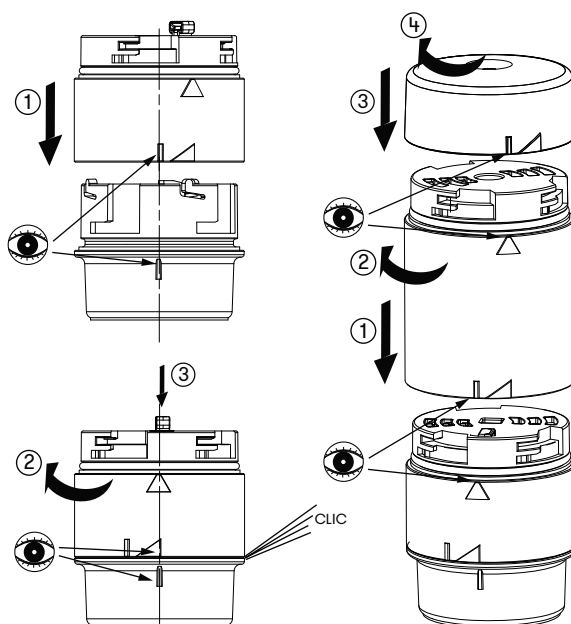
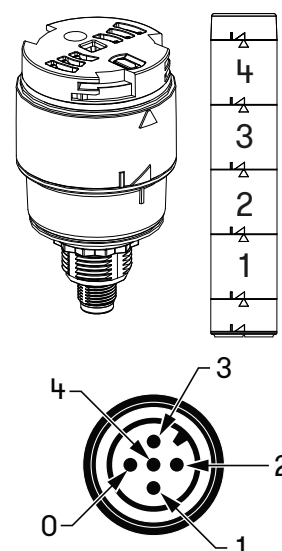
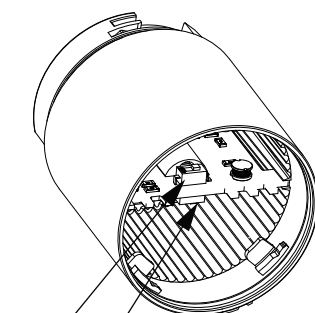
Déconnecter l'alimentation avant toute opération d'installation ou de maintenance, afin d'éviter les décharges électriques. Contrôler la tension et la fréquence d'alimentation. Utiliser seulement des éléments et des lampes de même tension et de même fréquence.

Strom abschalten um einen elektrischen Schock zu vermeiden während der Installation oder Wartungsarbeit. Prüfen Sie die Spannung und Frequenz. Benützen Sie ausschließlich Module und Glühlampen die die selbe Spannung und Frequenzen angeben.

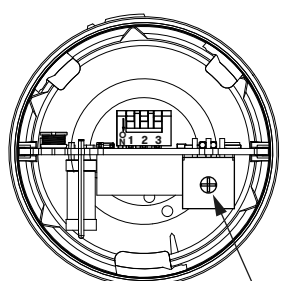
Scollegare dall'alimentazione prima dell'installazione e della messa in servizio. Controllare la tensione di alimentazione e la frequenza. Usare solo moduli e lampade con la stessa tensione e frequenza.

Desligar a alimentação antes de realizar qualquer intervenção. Verificar a tensão e frequência da alimentação. Só utilizar módulos e lâmpadas com as mesmas tensões e frequências.

Durante el proceso de instalación o mantenimiento desconectar la tensión de alimentación para evitar descargas eléctricas. Comprobar tensión y frecuencia de alimentación. Utilizar módulos y lámparas con la misma tensión y frecuencia.

**CT5MW****24VDC UL: Class 2****CT5MC5****CT5DF**

| S1  | S2  |          |
|-----|-----|----------|
| OFF | OFF | _____    |
| ON  | OFF | 2Hz      |
| OFF | ON  | 2x 1,4Hz |
| ON  | ON  | 1x 1,4Hz |

**CT5ZM**

+ ⊕  
- ⊖  
-20dB

|  |                                                                                     |
|--|-------------------------------------------------------------------------------------|
|  | continuous<br>3900 Hz                                                               |
|  | continuous<br>1350 Hz                                                               |
|  | intermittent<br>3900 Hz      250 ms on, 250 ms off                                  |
|  | intermittent<br>1350 Hz      250 ms on, 250 ms off                                  |
|  | sweeping<br>1200 - 500 Hz      1 Hz<br>evacuation Germany DIN 33404-3               |
|  | sweeping<br>500 - 1200 Hz      rising in 3 s, 0,5 s off<br>Netherlands NEN2575:2000 |
|  | alternating<br>800 - 1000 Hz      2 Hz                                              |
|  | sweeping<br>500 - 1500 Hz      10 Hz                                                |

# Signal Tower CT5

## CT5KR1IO/CT5MC5IO

CE, IEC: -30°C to +60°C (-22°F to +140°F)  
UL: -30°C to +45°C (-22°F to +113°F)

UL Type 4/4X/13 IP65



|                                                                                  |                      |                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>WARNING</b>       | Device has to be installed or serviced by qualified electrical personnel only! Disconnect from power source to prevent electrical shock! Check power supply voltage and frequency before installation!                                                                             |
|                                                                                  | <b>AVERTISSEMENT</b> | L'appareil doit être installé ou entretenu uniquement par du personnel qualifié en électricité ! Débranchez l'appareil de la source d'alimentation pour éviter tout choc électrique ! Vérifiez la tension et la fréquence de l'alimentation électrique avant l'installation !      |
|                                                                                  | <b>WARNUNG</b>       | Installation ausschließlich durch ausgebildete Elektrofachkräfte! Bei Installations- oder Wartungsarbeiten Spannungsfreiheit sicherstellen! Versorgungsspannung und -frequenz vor Installation prüfen!                                                                             |
|                                                                                  | <b>AVVERTENZA</b>    | L'installazione o la manutenzione dell'apparecchio deve essere effettuata esclusivamente da personale elettrico qualificato! Scollegare la fonte di alimentazione per evitare scosse elettriche! Controllare la tensione e la frequenza di alimentazione prima dell'installazione! |
|                                                                                  | <b>ATENÇÃO</b>       | O dispositivo tem de ser instalado ou reparado apenas por pessoal eléctrico qualificado! Desligue-se da fonte de energia para evitar choques eléctricos! Verifique a tensão e frequência da alimentação antes da instalação!                                                       |
|                                                                                  | <b>ATENCIÓN</b>      | ¡El dispositivo debe ser instalado o reparado solamente por personal eléctricamente cualificado! ¡Descóncetelo de la alimentación eléctrica para prevenir una descarga! ¡Verifica el voltaje y frecuencia antes de su instalación!                                                 |

|                                                                                  |                      |                                                                                                                                                    |
|----------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>WARNING</b>       | Do not use strobe lights around anyone suffering from cerebral disorders (epilepsy). Strobe lights may cause seizures to occur.                    |
|                                                                                  | <b>AVERTISSEMENT</b> | Ne pas utiliser de stroboscopique à proximité de personnes souffrant de problèmes cérébraux (épilepsie), afin d'éviter tout risque de crise.       |
|                                                                                  | <b>WARNUNG</b>       | Verwenden Sie keine Blitzleuchten-Module im Nahbereich von Personen die an Epilepsie leiden.                                                       |
|                                                                                  | <b>AVVERTENZA</b>    | Non usare luci stroboscopiche nelle vicinanze di persone sofferenti di epilessia.                                                                  |
|                                                                                  | <b>ATENÇÃO</b>       | Não usar luzes strobe perto de pessoas sofrendo de problemas cerebrais (epilepsia). Estas luzes podem provocar um ataque.                          |
|                                                                                  | <b>ATENCIÓN</b>      | No utilizar luz estroboscópica alrededor de personas con problemas cerebrales (epilepsia). La luz estroboscópica puede causar ataques epilépticos. |

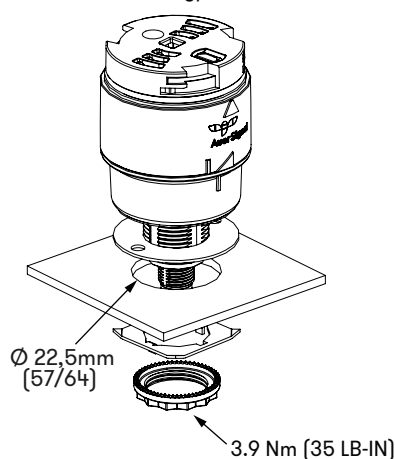
### CT5MC5IO/CT5KR1IO

Base Mounting Procedure  
Montage du Socle de Fixation  
Basis-Modul Montage  
Montaggio della Base  
Procedimentos de Montagem da Base  
Fijación de la base de Montaje

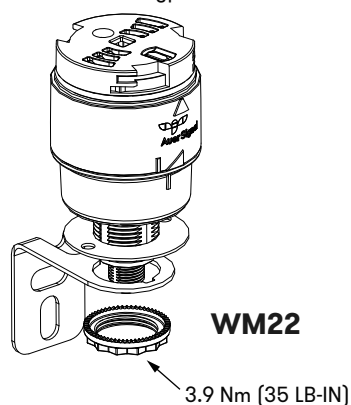
FOR USE ON A FLAT RIGID SURFACE OF INDICATED TYPE ENCLOSURE  
À UTILISER SUR UNE SURFACE PLANE DE L'ENCEINTE DU TYPE INDIQUÉ  
ZUR VERWENDUNG AUF EINER FLACHEN OBERFLÄCHE DES ANGEZEIGTEN GEHÄUSETYPUS  
DA UTILIZZARE SU UNA SUPERFICIE PIANA DEL TIPO DI CUSTODIA INDICATO  
PARA USO SOBRE LA SUPERFICIE PLANA DE UN ENVOLVENTE DEL TIPO INDICADO  
PARA USO EM SUPERFÍCIE PLANA NO TIPO DE PROTEÇÃO INDICADA

### CT5MC5IO

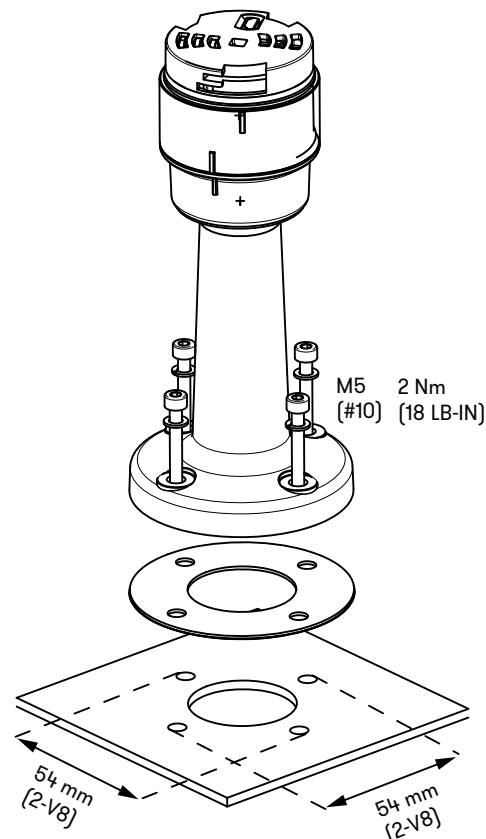
IP65 UL Type 4/4X



IP65 UL Type 1



### CT5KR1IO



Electrical Connection  
Raccordement Electrique  
Elektrischer Anschluß  
Collegamento Elettrico  
Ligações Eléctricas  
Conexiones Eléctricas

PRE-WIRED. DO NOT DISASSEMBLE THE BASE  
PRÉ-CÂBLÉ. NE PAS DÉMONTÉ LA EMBASE  
VORVERDRAHTET, DIE BASIS NICHT ÖFFNEN  
PRECABLATO. NON DISASSEMBLARE LA BASE  
PRÉ-WIRED. NÃO ABRA A BASE  
PRE-CABLEADO. NO DESENSAMBLE LA BASE  
MAX: 30 V AC/DC

FOR USE WITH ALLEN BRADLEY BUL. 889D CABLE ASSEMBLIES

Wiring practices must meet applicable electrical codes.

Les procédures de câblage doivent répondre aux codes électriques en vigueur.

Bei der Verdrahtung sind die geltenden elektrotechnischen Sicherheitsvorschriften zu befolgen.

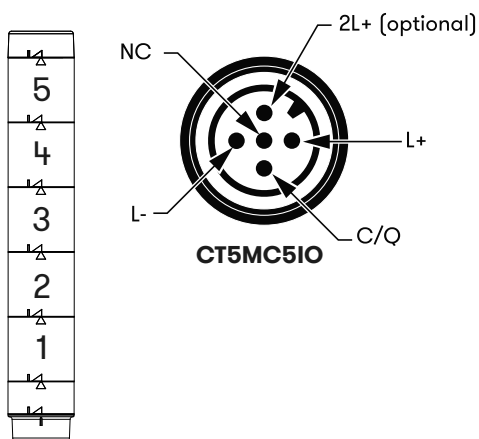
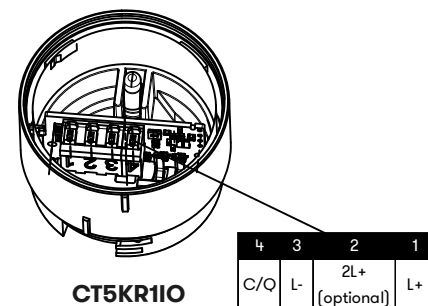
Le procedure adottate per i cavi devono rispettare le codifiche elettriche applicabili.

A instalação da fiação deve atender aos códigos elétricos aplicáveis.

Las prácticas de instalación eléctrica deben seguir los códigos eléctricos.

## Interface:

| Settings                | CT5MC5IO          | CT5KR1IO          |
|-------------------------|-------------------|-------------------|
| Nominal Voltage         | 24 V DC           | 24 V DC           |
| Communication interface | IO-Link           | IO-Link           |
| Port                    | COM2 [38.4 kBaud] | COM2 [38.4 kBaud] |
| Transmission rate       | 38.4 kBaud        | 38.4 kBaud        |
| IO-Link Version         | 1.1               | 1.1               |
| IO-Link Device ID       | 2                 | 2                 |
| Product name            | CT5MC5IO          | CT5KR1IO          |
| Product ID              | 915781781         | 915742742         |
| SIO-Mode                | NO                | NO                |
| Port class              | A                 | A                 |
| Min. process cycle time | 2.2 ms            | 2.2 ms            |



## Process data:

| Process data      | Bit >> | 7        | 6 | 5        | 4        | 3        | 2        | 1        | 0        | Compatible Modules |
|-------------------|--------|----------|---|----------|----------|----------|----------|----------|----------|--------------------|
| Module - function | Byte 1 | 0        | 0 | 0        | 0        | 0        | 0        | Module 5 |          | CT5DC              |
| Module - function | Byte 2 | Module 4 |   | Module 3 |          | Module 2 |          | Module 1 |          | CT5DC              |
| Module ON/OFF     | Byte 3 | 0        | 0 | 0        | Module 5 | Module 4 | Module 3 | Module 2 | Module 1 | ALL                |

| Module function | Significant bit | High | Low |
|-----------------|-----------------|------|-----|
|                 | continous       | 0    | 0   |
|                 | blink           | 1    | 0   |
|                 | flash           | 0    | 1   |
|                 | double flash    | 1    | 1   |

Example: Tower with 3 CT5DC Modules 1: continous-OFF / 2: blink-ON / 3: double flash-ON

| Process data      | Bit >> | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|-------------------|--------|---|---|---|---|---|---|---|---|
| Module - function | Byte 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Module - function | Byte 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| Module ON/OFF     | Byte 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |

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