INFILTRATOR®
water technologies

# FILTER
# CONTROL PANEL W/ DUAL ATU
# 1744R1/2COMP

Infiltrator Water Technologies
15785 Industry Way
Walker, LA 70785
(225) 665-6162  Fax (800) 219-9183

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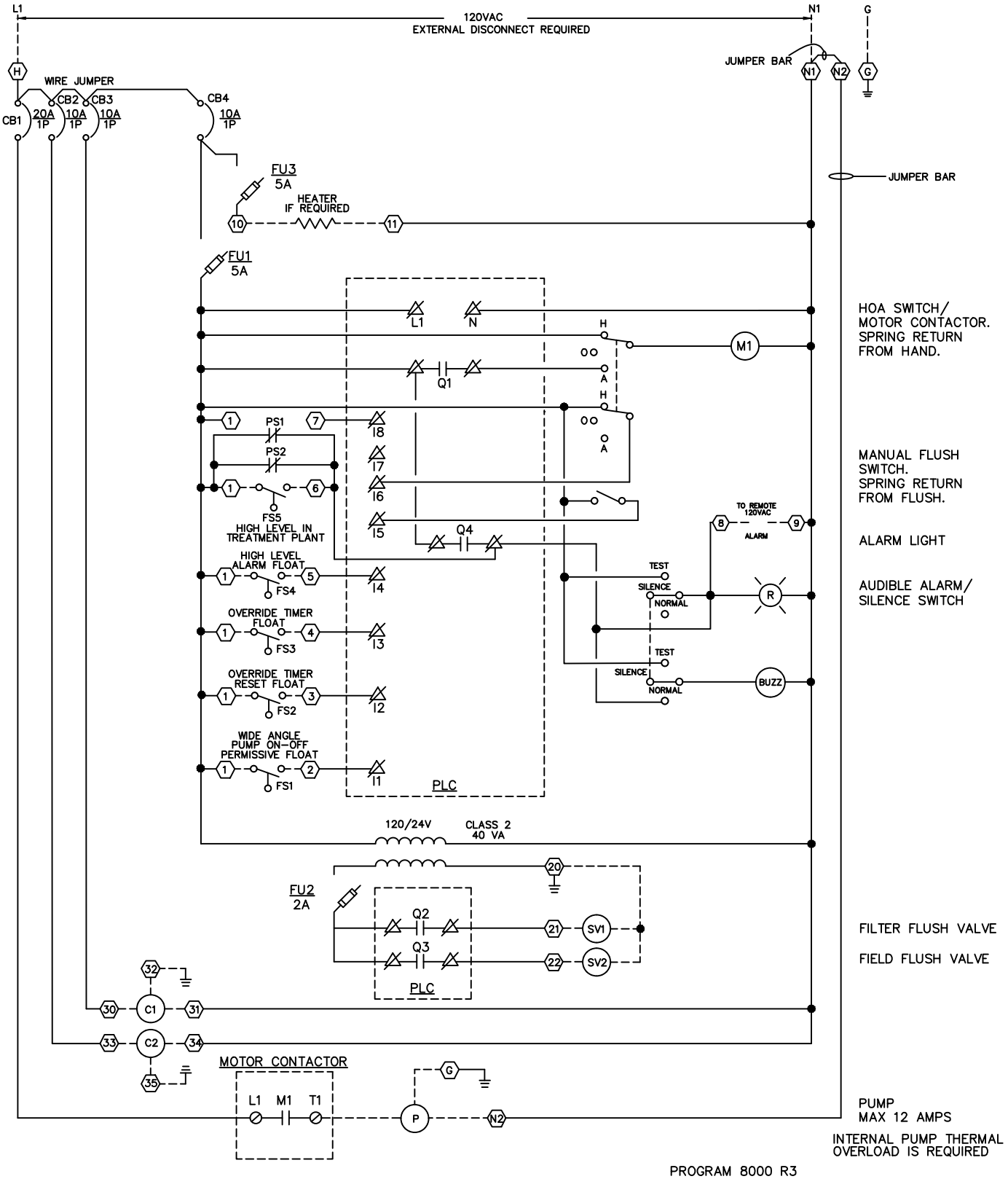


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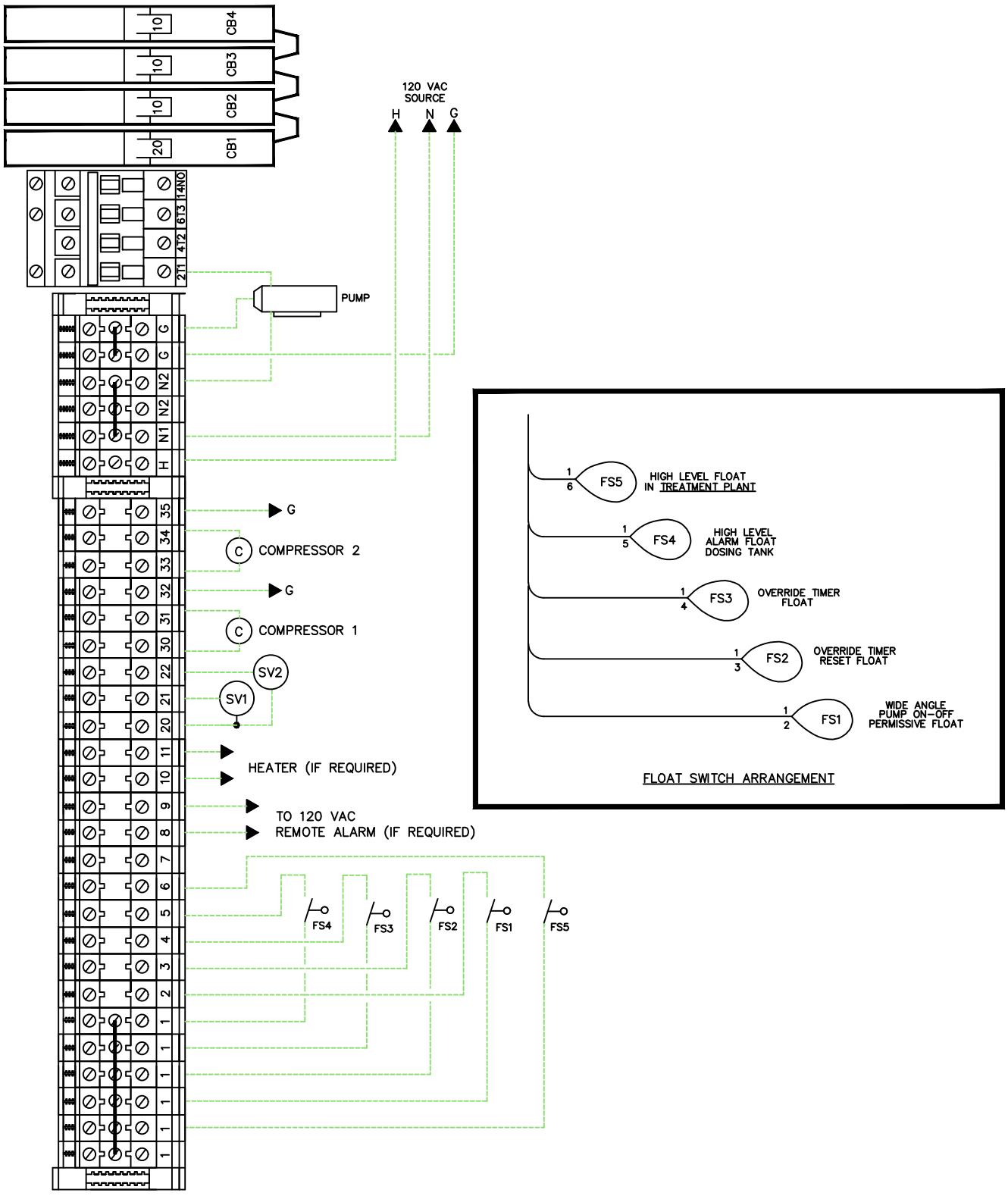
|---|---|---|---|---|---|---|---|---|
| | Drawing Title | | | | | | | |
| | SCHEMATIC DIAGRAM | - | - | - | - | - | - | |
| | | REFERENCE DRAWING | NO. | REVISION - LOCATION | ECN | DATE | BY | |
| DATE: 10/11/24 | | S/N / Sales Engineer A.D. | Application Engineer A.D. | DRAWN BY: GMR | APPROVED BY: | DATE: | | |
| | Project Title | | | | PURCHASE ORDER NUMBER | | | |
| | FILTER CONTROL PANEL | | | 15785 Industry Way Walker, LA 70785 Ph. (225) 665-6162 Fax (800)219-9183 | DRAWING NUMBER CP-1744R1/2COMP | | | |
| | | | | | SHEET NUMBER 1 | | | |

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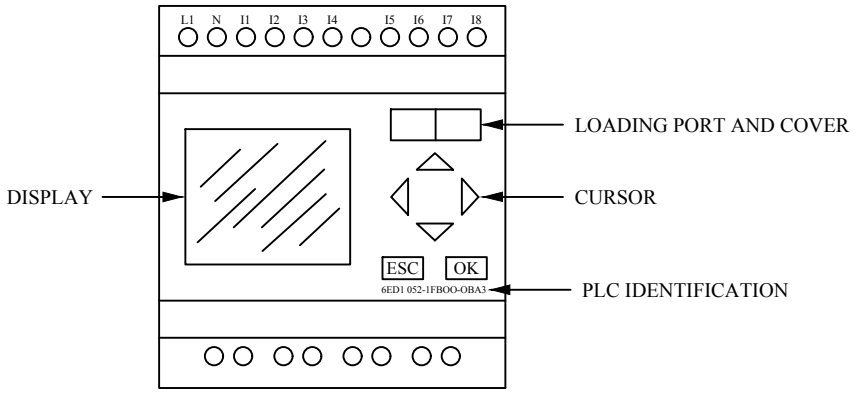
|---|---|---|---|---|---|---|---|---|
| | Drawing Title: EXTERNAL CONNECTIONS | | | | | | | |
| | | - | - | - | - | - | - | |
| DATE: 10/11/24 | | REFERENCE DRAWING | NO. | REVISION - LOCATION | ECN | DATE | BY | |
| | | S/N / Sales Engineer A.D. | Application Engineer A.D. | DRAWN BY: GMR | APPROVED BY: | DATE: | | |
| | Project Title: FILTER CONTROL PANEL | INFILTRATOR water technologies | | 15785 Industry Way Walker, LA 70785 Ph. (225) 665-6162 Fax (800)219-9183 | PURCHASE ORDER NUMBER | | | |
| | | | | | DRAWING NUMBER CP-1744R1/2COMP | | | |
| | | | | | SHEET NUMBER 2 | | | |

# SETTING THE PLC




FRONT VIEW OF PLC

The clock screen is considered the "main" screen and will be the starting point for all programming.

- Upon power up, the clock screen may not by displayed.
- Use ▼ and ▲ to reach the main screen (clock showing) and to scroll through data display screens.

Setting Parameters:

1. Press ▼ until you see the main screen (clock showing) and then press ESC. The main menu is now displayed.
2. From the main menu, use ▲ or ▼ to highlight "Program" and press OK. The program menu is now displayed.
3. From the program menu, use ▲ or ▼ to highlight "Set Parameter" and press OK. The parameter list is now displayed.
4. Use ▲ or ▼ to scroll through the parameter list. Once the desired parameter is highlighted, press OK.
5. Use ▲ or ▼ to highlight desired parameter setting and press OK. A blinking cursor will appear.
6. Use ▲ or ▼ to move the cursor and the ◄ or ► to change values.
7. Press OK after changing parameter setting and the cursor will disappear.
8. Once parameter setting(s) are changed, press ESC to return to parameter list.
9. Repeat Step 4-9 until all parameters are set to the correct values.
10. Press ESC one time to return to program menu; two times to return to main menu; three times to return to main screen clock showing).

Notes:

- To view inputs, at the main screen (clock showing) press ►.
    - To return to main screen (clock showing) press ◄.
- To view ouputs, at the main screen (clock showing) press ► twice.
    - To return to main screen (clock showing) press ◄ twice.

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| | Drawing Title: PLC INSTRUCTIONS | | | | | | | |
| | | - | | - | - | - | - | - |
| | | REFERENCE DRAWING | | NO. | REVISION - LOCATION | ECN | DATE | BY |
| DATE: 10/11/24 | | S/N | Sales Engineer A.D. | Application Engineer A.D. | DRAWN BY: GMR | APPROVED BY: | DATE: | |
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| | | | | | | DRAWING NUMBER CP-1744R1/2COMP | | |
| | | | | | | SHEET NUMBER 3 | | |

# PLC PARAMETERS

| BLOCK | DESCRIPTION | FACTORY SETTING | PLC NOMENCLATURE |
|---|---|---|---|
| B01 | TH = Run time<br>TL = Off time | 12 Minutes<br>2 Hours | 12:00m<br>02:00h |
| B02 | Off time during override period | 1 Hour | 01:00h |
| B03 | Filter flush time after pump turns on | 1 Minute | 01:00m |
| B04 | Filter drain time after pump turns off | 2 Minutes | 02:00m |
| B05 | Field flush time normal operation | 2 Minutes | 02:00m |
| B06 | Field drain time after pump turns off | 2 Minutes | 02:00m |
| B07 | Number of fields | 4 | 4 |
| B08 | Number of cycles until 1st field flush | 84 | 84 |
| B09 | Field flush time when field flush switch is pressed | 1 Minute | 01:00m |

Note: Minute settings are in minutes and seconds. For example 02:00m is 2 minutes, 02:10m is 2 minutes and 10 seconds. Hour settings are in hours and minutes. For example 02:00h is 2 hours and no minutes, 02:10h is 2 hours and 10 minutes, and 00:12h is 12 minutes.

In addition to the settings above, various other parameters can be viewed as follows:

- Pump run time hours
- Pump start counts
- Level override counts
- High level counts
- Switch to hand counts

10/11/24
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| | Drawing Title: PLC PARAMETERS | | | | | | | |
| | | - | - | - | - | - | - | |
| DATE: 10/11/24 | | REFERENCE DRAWING | NO. | REVISION - LOCATION | ECN | DATE | BY | |
| | | S/N / Sales Engineer A.D. | Application Engineer A.D. | DRAWN BY: GMR | APPROVED BY: | DATE: | | |
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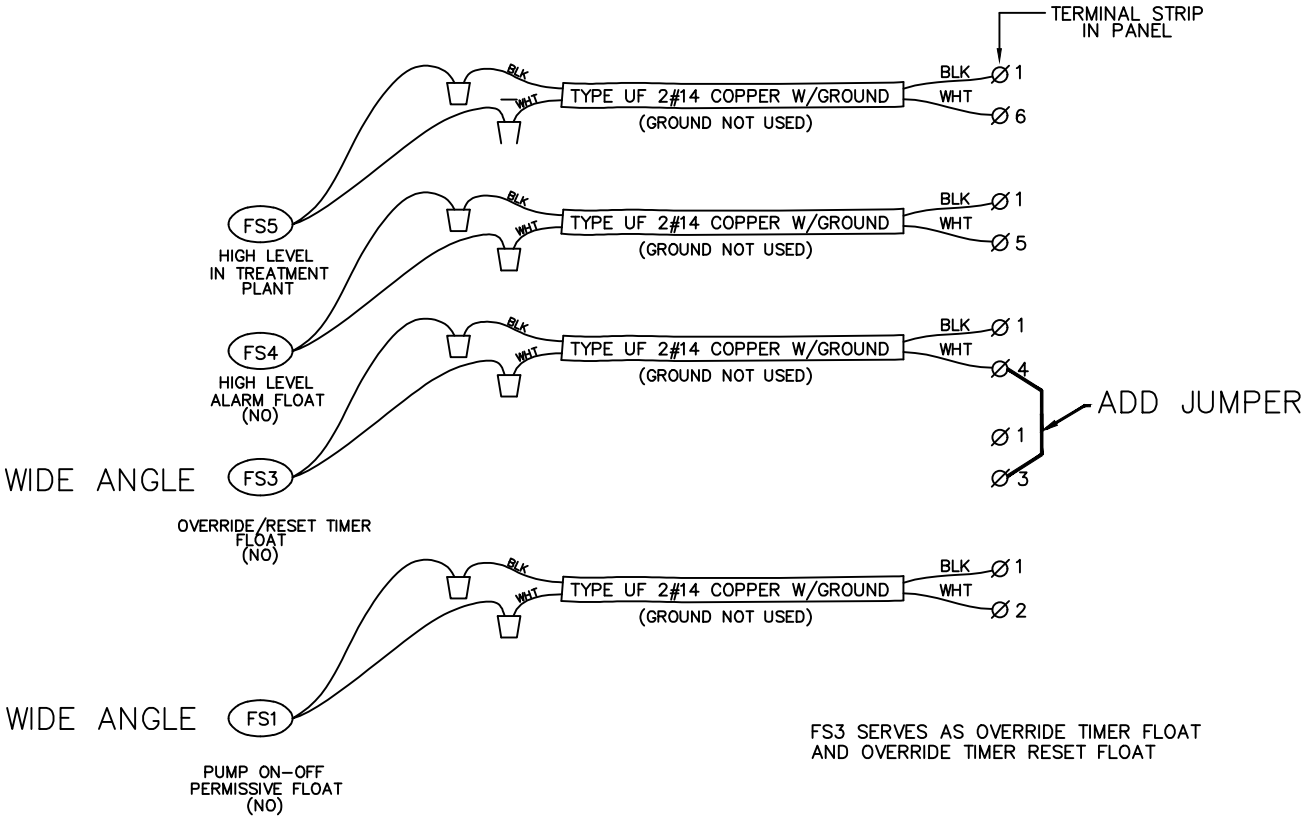
| | | | | | DRAWING NUMBER: CP-1744R1/2COMP | | | |
| | | | | | SHEET NUMBER: 4 | | | |




## EXAMPLE

## 3 FLOAT SYSTEM
## WITH HIGH LEVEL
## IN TREATMENT PLANT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Drawing Title: CONNECTION OF FLOATS | | | | | | | |
| | | - | - | - | - | - | - | |
| DATE: 10/11/24 | | REFERENCE DRAWING | NO. | REVISION - LOCATION | ECN | DATE | BY | |
| | | S/N | Sales Engineer: A.D. | Application Engineer: A.D. | DRAWN: BY: GMR | APPROVED BY: | DATE: | |
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| | | | | | DRAWING NUMBER: CP-1744R1/2COMP | | | |
| | | | | | SHEET NUMBER: 5 | | | |