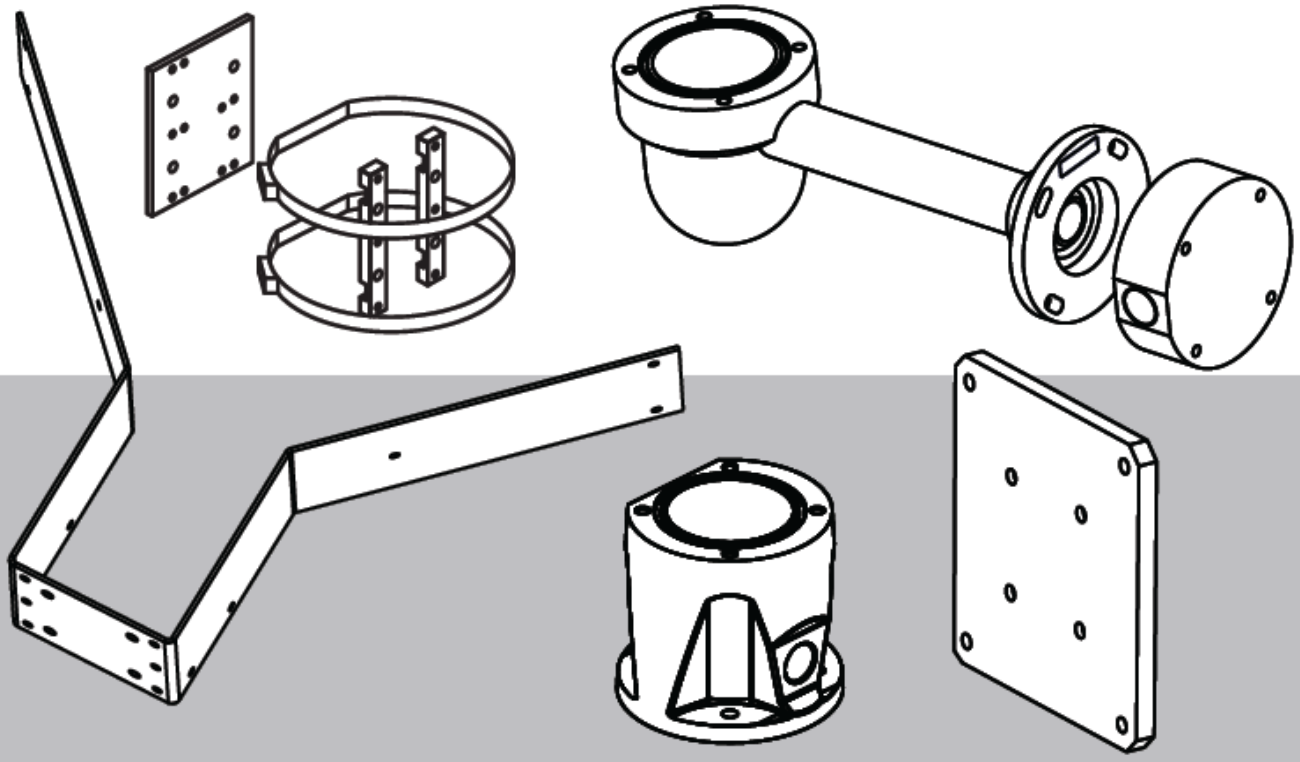
Washer kit, MIC

MIC-WKT | MIC-WKT-IR



en Installation Manual

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1 Introduction

This manual has been compiled with great care and the information it contains has been verified thoroughly. The text was complete and correct at the time of printing. Because of the ongoing development of products, the content of the manual may change without notice. IQSIGHT accepts no liability for damage resulting directly or indirectly from faults, incompleteness or discrepancies between the user guide and the product described.

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Customer Service and Support

If this unit needs service or if you need technical support, contact IQSIGHT **Technical Support** for instructions.

USA and Canada

Contact your local distributor or IQSIGHT sales office.

Europe, Middle East, Africa, and Asia Pacific Regions

Contact your local distributor or IQSIGHT sales office.

More Information

For more information, please contact the nearest IQSIGHT location or visit https://commerce.iqsight.com/us/en.

2 Overview

Washer Kit Functionality

The washer control relay card of the MIC-WKT is for installation into one of the following power supplies:

- MIC-24PSU-2
- MIC-115PSU-2
- MIC-230PSU
- MIC-IP-24
- MIC-IP-115
- or MIC-IP-230.

The relay output is used for logic ON/OFF control of the user-supplied washer pump.

The washer relay control card provides an output relay (SK1) rated at 240VAC up to 5 Amps. The relay wiring depends on the user supplied model of washer pump. The washer pump has its own control card. The relay is normally connected to a logic-controlled input of the washer relay control card.

A push-to-test button (SW1) allows users to test the pump operation and to expel air in order to prime the pump for operation.

Unpacking

- This equipment should be unpacked and handled with care. Check the exterior of the packaging for visible damage. If an item appears damaged in shipment, notify the shipper immediately.
- Verify that all the parts listed in the Parts List below are included. If any items are missing, notify our Sales or Customer Service Representative.
- Do not use this product if any component appears to be damaged. Please contact us in the event of damaged goods.
- The original packing carton (if undamaged) is the safest container in which to transport the unit and must be used if returning the unit for service. Save it for possible future use.

The MIC-WKT kit and the MIC-WKT-IR kit contain:

- One single jet washer nozzle, 5 mm
- One (1) bracket for mounting the washer nozzle to a MIC-DCA
- One (1) bracket for mounting the washer nozzle to a MIC-WMB

The MIC-WKT kit also contains:

- One (1) washer relay logic control card

User-supplied parts

IQSIGHT does not supply the washer pump. The supplier of the washer pump must provide the following items:

- Washer pump
- Logic control card (installed in pump power supply)
- Reservoir bottle
- Tubing (connects from the reservoir to the MIC washer nozzle)

3 Installation

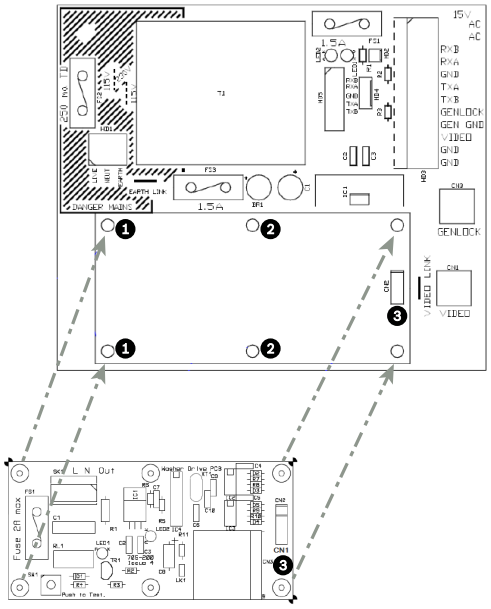
Caution!

Installation must be made by qualified personnel and conform to ANSI/NFPA 70 (the National Electrical Code® (NEC)), Canadian Electrical Code, Part I (also called CE Code or CSA C22.1), and all applicable local codes. IQSIGHT accepts no liability for any damages or losses caused by incorrect or improper installation.

3.1 Install the MIC-WKT washer relay control card

This section applies only to the following PSUs: MIC-24PSU-2, MIC-115PSU-2, MIC-230PSU, MIC-IP-24, MIC-IP-115, and MIC-IP-230. The pump driver card is not required for the IR PSU models, the VJC-7000, or the MIC-ALM-WAS-24.

1. Switch off/unplug the MIC camera and the power supply unit.
2. Ensure that the four (4) card spacer supports in the power supply are positioned in the left- and right-most mounting holes on the PCB, so that the card is supported in each corner. (To reposition the card spacers, follow these steps:
   Remove the four (4) screws holding the power supply's PCB to the enclosure.
   Remove the two (2) card spacer supports from the PCB.)
3. Insert the Washer Pump Drive Card so that the connector labeled CN1 plugs into the CN1 header on the power supply (item 3 in the figure below).
4. Fix the card to the card spacer supports (labeled 1 and 2 in the figure), using M3x6 screws.



1	Add-on card support spacers and holes (side)
2	Add-on card support spacers and holes (center)
3	Connection header CN1

The Washer Pump Drive Card can now accept third-party washer pump electrical connections.

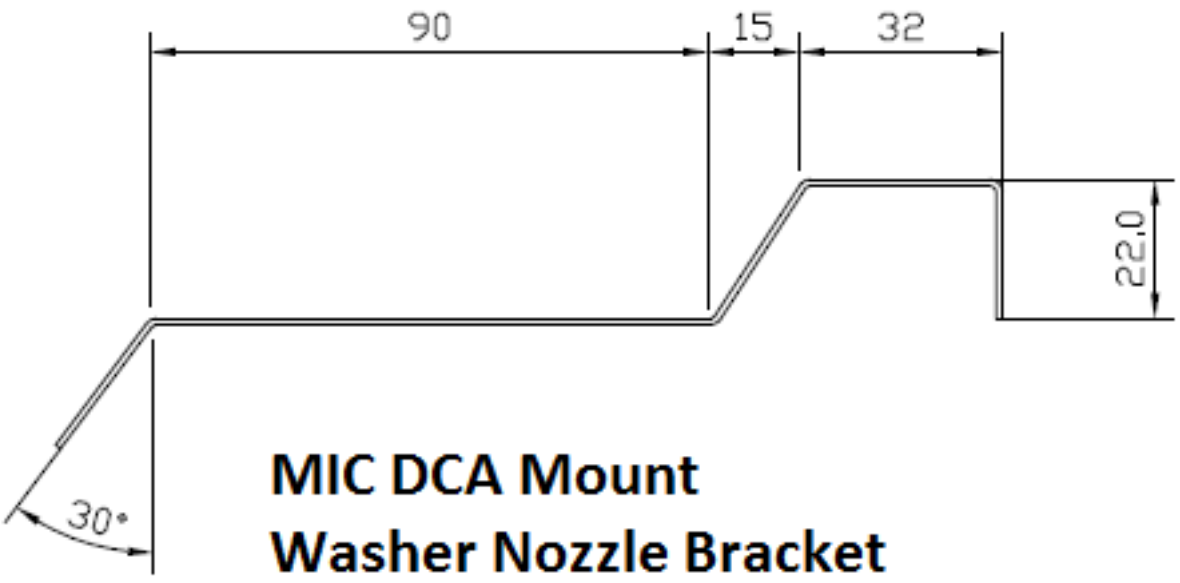
3.2 Install the washer brackets and nozzle

1. Fit the washer pump and reservoir (user-supplied) in a suitable location, taking all necessary safety precautions, and observing the manufacturer's instructions and all applicable local building codes.
2. Fit the washer nozzle to the appropriate washer nozzle bracket using either the DCA Mount bracket (short bracket) or Wall mount bracket (long bracket). Refer to the photo below for the DCA bracket.
3. Fix the washer nozzle bracket to either the DCA or to a wall using the M8 fixing bolts.
4. Make sure that the washer nozzle points towards the camera and does not obstruct the camera view.
5. Connect the 5 mm tubing from the pump to the washer nozzle.
6. Make sure that power to the camera is disconnected completely from its power source.
7. Remove the enclosure lid of the MIC-ALM-WAS-24.
8. Prepare the washer relay logic control cable as necessary and then feed the cable through the appropriate gland/conduit hole on the the MIC-ALM-WAS-24. Leave sufficient slack to connect to the appropriate terminal of the washer pump control card (user supplied).
9. Follow the instructions of the user supplied washer pump for the connection of the relay logic control cable, power for the pump, etc.

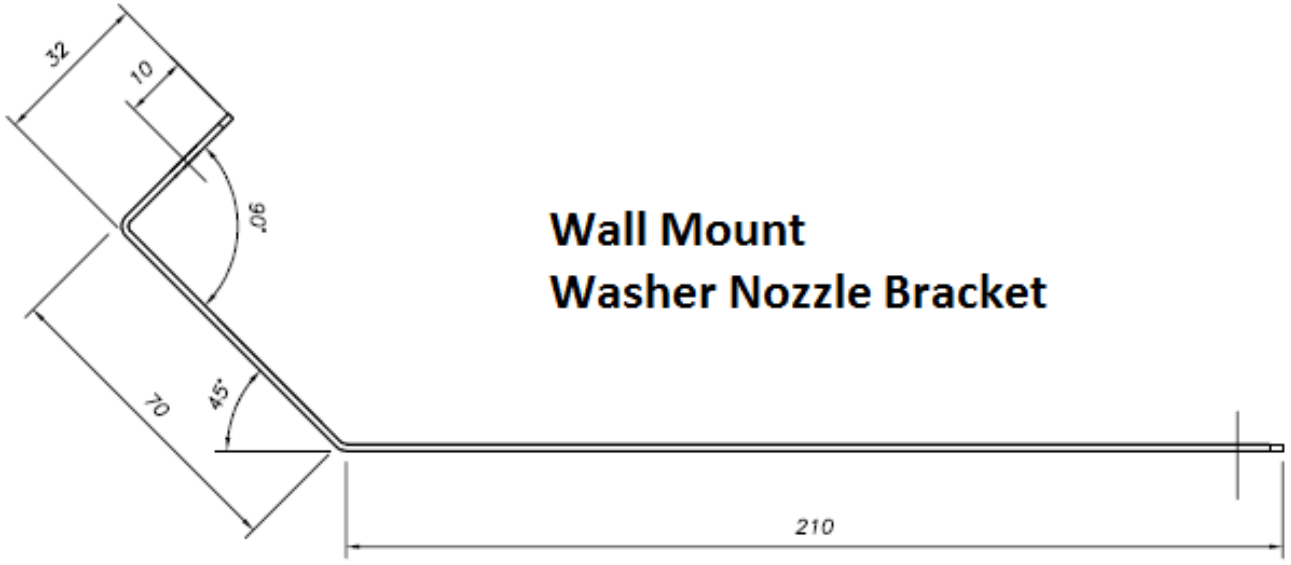
3.3 Test and complete the installation

1. Secure all external pipe work and cabling.
2. Fill the reservoir.
3. Connect the MIC PSU to power.

1. Press the push-to-test button inside the MIC-PSU, the MIC-IP-PSU, the VJC-7000-90, or the MIC-ALM-WAS-24 to test the pump operation (to expel the air from the tubing and to prime the pump for operation).
2. When the pump is primed, replace the lid on the enclosure of the MIC-PSU, the MIC-IP-PSU, the VJC-7000-90, or the MIC-ALM-WAS-24.
3. Ensure that the camera's window is facing the wash nozzle.
4. Set the wash wipe position using the instructions in the manual of the unit to which you are connecting the washer pump (MIC-PSU, MIC-IP-PSU, VJC-7000-90, or MIC-ALM-WAS-24).



MIC DCA Mount
Washer Nozzle Bracket



Wall Mount
Washer Nozzle Bracket

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