NOTES: UNLESS OTHERWISE SPECIFIED

1. CLEARANCE REQUIRED FOR FREE MOTION OF SYSTEM.

2. O-RING USED FOR SEALING SYSTEM TO MOUNTING STRUCTURE. STANDALONE UNIT MEETS IPX6 SEALING SPECIFICATION. MINIMUM MOUNTING SURFACE PLANARITY OF 1.5mm [0.06] OVER SYSTEM DIAMETER REQUIRED FOR CHINOOK USE. WHEN MOUNTING TO IRREGULAR SURFACES, USE OF BENDING COMPOUND RECOMMENDED.

3. USE WITH FLIR MOUNTING HARDWARE KIT: M-SERIES BASIC MOUNT 540-3599 ISO TOP DOWN RISER INSTALLATION KIT

4. USE LOCTITE 242 WITH ALL METAL TO METAL THREADED CONNECTIONS.

WARNING

DO NOT BOTTOM FASTENERS IN BASE. ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY. BOLT TORQUE NOT TO EXCEED 9.5 N·m [7.6 ft·lb].

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

WARNING

DO NOT BOTTOM FASTENERS IN BASE. ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY. BOLT TORQUE NOT TO EXCEED 9.5 N·m [7.6 ft·lb].

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IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

WARNING

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ALL DIMENSIONS IN [ ] ARE INCHES.

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

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ALL DIMENSIONS IN [ ] ARE INCHES.

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

WARNING

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ALL DIMENSIONS IN [ ] ARE INCHES.

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

WARNING

DO NOT BOTTOM FASTENERS IN BASE. ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY. BOLT TORQUE NOT TO EXCEED 9.5 N·m [7.6 ft·lb].

ALL DIMENSIONS IN [ ] ARE INCHES.

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

WARNING

DO NOT BOTTOM FASTENERS IN BASE. ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY. BOLT TORQUE NOT TO EXCEED 9.5 N·m [7.6 ft·lb].

ALL DIMENSIONS IN [ ] ARE INCHES.

DO NOT SCALE DRAWING.

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES.

IMPORTANT: CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.
M-SERIES SINGLE PAYLOAD

- IR CAMERA

M-SERIES ICD, SINGLE / DUAL PAYLOAD

NOTES: UNLESS OTHERWISE SPECIFIED

1. CLEARANCE REQUIRED FOR FREE MOTION OF SYSTEM.

2. AS568A-427 EP O-RING [4.75in ID x 0.25in DIA. EP]
67mm ID x 7mm DIA. EP

3. WARNING
   - BOTTOM FASTENERS IN BASE
   - BOLT LENGTH NOT TO EXCEED 3mm INTO BASE
   - ELECTRONICS WILL BE DAMAGED BY BASE PENETRATION - VOIDING WARRANTY.

4. USE LOCTITE 242 WITH ALL METAL TO METAL THREADED CONNECTIONS.

5. IMPORTANT:
   - CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω.

6. WARRANTY VOID IF SCREWS REMOVED.

CABLES SHOWN FOR REFERENCE ONLY. CABLES ARE NOT TO SCALE.

- 381 25mm [1.0in] POWER CABLE, UNTERMINATED TINNED 18AWG WIRE.
- 417 25mm [1.0in] NETWORK CABLE, RJ45 T568B, MALE.
- 532 25mm [1.0in] IR VIDEO CABLE, F-TYPE MALE.
- 584 25mm [1.0in] SWITCHED (IR OR VIS) VIDEO CABLE, F-TYPE MALE.

- AS568A-274 EP O-RING [6.25in ID x 0.19in DIA. EP] 37mm ID x 5mm DIA. EP


- 6x M6x1.0 g 6 HELICOILS

- 1/100.0 BOLT CIRCLE

- 1/145.0 MIN BASE DIAMETER FOR EFFECTIVE SEAL

- 1/63.5 MAX
IMPORTANT NOTE:

PAPER SIZE: 11x17 in
TEMPLATE SHOULD PRINT 1:1

DUE TO VARIATION IN SOFTWARE AND PRINTERS, PLEASE VERIFY SCALE BELOW BEFORE MODIFYING MOUNTING SURFACE.

[0.3]
6x Ø 6.4 THRU HOLE
EQUALLY SPACED ON
Ø 100 [3.94] BOLT CIRCLE

[7.1]
Ø 179.4 M-SERIES O.D.

Ø 40.0 [1.57] MIN CABLE PORT.
Ø 63.5 [2.50] MAX

2.00 IN

50.0 MM

MOUNTING TEMPLATE
M-SERIES GIMBAL

PROPRIETARY - FLIR SYSTEMS, INC.
GLAND SEAL DESIGNED FOR USE WITH DOUBLE SHIELDED CAT 5 ETHERNET CABLE. USE OF SINGLE SHIELDED CABLE MAY REQUIRE THE USE OF ADDITIONAL SEALANT SUCH AS SILICON OR RTV TO ENSURE SEALING OF ENCLOSURE.

INSERT NETWORK CABLE RJ45 THROUGH GLAND NUT AND SEAL BEFORE INSTALLING.

WITH CABLE INSTALLED, TURN NUT 1/4 TURN BEYOND HAND TIGHT.

EACH SEAL REQUIRED IF INSTALLING MULTIPLE CABLES.

JOYSTICK CONTROL UNIT - MARITIME, MULTI

APPROVED:

FLIR SYSTEMS, INC.
70 Castilian Drive
Goleta, CA 93117

PROPRIETARY - FLIR SYSTEMS, INC.
CORNERS SHALL BE SHARP.

OPTIONAL DRILL GUIDE

OPTIONAL DRILL GUIDE

2.8
72.3

4.8
123.1

0.25
6.4

3.1±0.05
78.74±1.25
CUTOUT

3.6
90.4
OUTSIDE OF JCU

5.1±0.05
129.54±1.25
CUTOUT

5.6
141.4
OUTSIDE OF JCU

2.00IN

50.0MM

IMPORTANT NOTE:
PAPER SIZE: 11x17in
TEMPLATE SHOULD PRINT 1:1
DUE TO VARIATION IN SOFTWARE AND PRINTERS, PLEASE VERIFY SCALE BELOW BEFORE MODIFYING MOUNTING SURFACE.

FITS JCU P.N. 500-0385-00

M-SERIES ICD, SINGLE / DUAL PAYLOAD

PROPRIETARY - FLIR SYSTEMS, INC.
M-SERIES
SINGLE / DUAL PAYLOAD

POWER CABLE
18 AWG TINNED STRANDED WIRE
RED WIRE: +12-24 VDC (3.8-1.9 AMP MAX)
BLACK WIRE: DC RETURN
GREEN WIRE: EARTH GROUND

ATTACH GROUND STRAP TO MOUNTING STUD

CONNECTOR
T-165 WATERPROOF ENCLOSURE
FLIR PN 4115330

4x FERRITE CABLE SNAP TO BE PLACED AS CLOSE TO BASE AS POSSIBLE
FLIR PN 4211315

RG59U VIDEO CABLE
F-TYPE MALE TERMINATION

BUTT SPLICE OR INSTALLER SUPPLIED CONNECTOR

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE FOR SUPPLY VOLTAGE AND LENGTH OF CABLE RUN TO ENSURE ADEQUATE CURRENT CARRYING CAPABILITY.

SWITCHED (IR OR VIS) VIDEO CABLE (DUAL ONLY)

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330

- IR VIDEO CABLE
- RG59U VIDEO CABLE
  F-TYPE MALE TO BNC MALE
  FLIR PN 308-0164-25

NETWORK CABLE FOR PoE DEVICES (IEEE802.3at) B CONDUCTOR TWINSHIELD, DOUBLE SHIELDED
FLIR PN 308-0165-25 OR EQUIVALENT
NOTE TO MAINTAIN IEC 60945 EMI COMPLIANCE
USE OF DOUBLE SHIELDED CABLE REQUIRED

BUTT SPLICE OR INSTALLER SUPPLIED CONNECTOR

CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

RJ45 WATERPROOF ENCLOSURE
FLIR PN 4115028

DISPLAY

ATTACH GROUND STRAP TO MOUNTING STUD

NETWORK CABLE FOR PoE DEVICES (IEEE802.3at) B CONDUCTOR TWINSHIELD, DOUBLE SHIELDED
FLIR PN 308-0165-25 OR EQUIVALENT
NOTE TO MAINTAIN IEC 60945 EMI COMPLIANCE
USE OF DOUBLE SHIELDED CABLE REQUIRED

4x FERRITE CABLE SNAP TO BE PLACED AS CLOSE TO BASE AS POSSIBLE
FLIR PN 4211315

M-SERIES
SINGLE / DUAL PAYLOAD

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE FOR SUPPLY VOLTAGE AND LENGTH OF CABLE RUN TO ENSURE ADEQUATE CURRENT CARRYING CAPABILITY.
M-SERIES
SINGLE / DUAL PAYLOAD

POWER CABLE
18 AWG TINNED STRANDED WIRE
RED WIRE: 12-24 VDC (3.8-1.9 AMP MAX)
BLK WIRE: DC RETURN
GRN WIRE: EARTH GROUND

BUTT SPLICED OR INSTALLER
SUPPLIED CONNECTOR

F-TYPE MALE TERMINATION

F-TYPE FEMALE TO FEMALE

FOE NETWORK SWITCH
IEEE802.3af, T568B COMPLIANT
FLIR PN 41410642

ATTACH GROUND STRAP
TO MOUNTING STUD

CONNECTOR RJ45
WATERPROOF ENCLOSURE
FLIR PN 4115028

4X FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4211313

RG59 VIDEO CABLE
F-TYPE MALE TERMINATION

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE FOR
SUPPLY VOLTAGE AND LENGTH OF CABLE
RUN TO ENSURE ADEQUATE CURRENT
CARRYING CAPABILITY.

SWITCHED (IR OR VIS)
VIDEO CABLE
(DUAL ONLY)

4X FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4211313

RG59 VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 3085014A-25

MANUFACTURER-SPECIFIC ENVIRONMENTAL
EXPOSURE RATINGS APPLY

NETWORK CABLE FOR PoE DEVICES (IEEE802.3af)
8 CONDUCTOR T568B, ETHERNET, DOUBLE SHIELDED
FLIR PN 308-0163-25 OR EQUIVALENT

NOTE: TO MAINTAIN IEC 60945 EMI COMPLIANCE,
USE OF DOUBLE SHIELDED CABLE REQUIRED.

CONNECTOR RJ45
WATERPROOF ENCLOSURE
FLIR PN 4115028

DISPLAY

ATTACH GROUND STRAP
TO MOUNTING STUD
FLIR PN 500-0385-00

4X FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4211315

2 134567
DWG NO. SH REV
432-0003-XX-19B
5/25/2017
SOLIDWORKS MODEL: 432-0003-XX-YY Pelagic M-Series ICD, Single and Dual Payload
MODEL REVISION: B

METRIC

PROPRIETARY - FLIR SYSTEMS, INC.
FLIR Systems, Inc.
6769 Hollister Ave.
Goleta, CA 93117
M-SERIES
SINGLE / DUAL PAYLOAD

POWER CABLE
18AWG TINNED STRANDED WIRE
RED WIRE: +12-24 VDC (3.8-1.9 AMP MAX)
BLK WIRE: DC RETURN
GRN WIRE: EARTH GROUND

FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

POE INJECTOR POWER REQUIREMENT
+P-36VDC [12V/1.85A - 24V/0.9A]

DISPLAY

ATTACH GROUND STRAP
TO MOUNTING STUD

CONNECTOR
S/492 WATERPROOF ENCLOSURE
FLIR PN 4115528

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

NETWORK CABLE FOR POE DEVICES
IEEE802.3AF
8 CONDUCTOR TABBED, ETHERNET, DOUBLE SHIELDED
FLIR PN 308-0163-25 OR EQUIVALENT
NOTE: TO MAINTAIN IEC 60945 EMI COMPLIANCE,
USE OF DOUBLE SHIELDED CABLE REQUIRED.

ATTACH GROUND STRAP
TO MOUNTING STUD

CONNECTOR
RJ45 WATERPROOF ENCLOSURE
FLIR PN 4115028

POE INJECTOR
POS. RJA5 FEMALE
FLIR PN 4113546

NETWORK SWITCH, NON POE
INSTALLER SUPPLIED

SWITCHED (IR OR VIS)
VIDEO CABLE
(DUAL ONLY)

NOTE: TO MAINTAIN IEC 60945 EMI COMPLIANCE,
USE OF DOUBLE SHIELDED CABLE REQUIRED.

ATTACH GROUND STRAP
TO MOUNTING STUD

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.

CONNECTOR
F-TYPE MALE TO FEMALE
FLIR PN 4115330
RGSFU VIDEO CABLE
F-TYPE MALE TO BNC MALE
FLIR PN 308-0164-25

IR VIDEO CABLE

INSTALLER SUPPLIED CONNECTOR
F-TYPE FEMALE TO FEMALE
FLIR PN 4115330

BUT SPICE OR INSTALLER
SUPPLIED CONNECTOR

4X  FERRITE CABLE SNAP
TO BE PLACED AS CLOSE
TO BASE AS POSSIBLE
FLIR PN 4111315
RGSFU VIDEO CABLE
F-TYPE MALE TERMINATION

MANUFACTURER SPECIFIC ENVIRONMENTAL
EXPOSURE RATING APPLY

INSTALLER SUPPLIED POWER CABLE
GAUGE OF WIRE TO BE APPROPRIATE
FOR SUPPLY VOLTAGE AND LENGTH
OF CABLE RUN TO ENSURE ADEQUATE
CURRENT CARRYING CAPABILITY.
HIDDEN CABLING MOUNTING SCHEME:

MOUNTING DIRECTLY THROUGH CUSTOMER DECKING, OR OTHER SURFACES
STRUCTURE OPPOSITE GIMBAL TO BE SEALED ENCLOSURE AND A DRY SPACE
CAMERA BALL UP CONFIGURATION

ENTIRE ASSEMBLY CAN BE ROTATED 180° FOR BALL DOWN INSTALLATION
HOME DIRECTION ZERO CAN BE SET FROM MENU.

HOLE CABLE PASS
40.0mm DIAMETER MIN.
63.5mm DIAMETER MAX

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE

ASS28A-427 EP O-RING
[4.75in ID x 0.25in DIA. EP]
FITS IN LARGER DIAMETER GLAND OF GIMBAL ASSY

IMPORANT:
CHASIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH
CONDUCTIVITY PATH TO VESSEL GROUND.

MAX 0.25Ω

WARNING 5

SOC HD CAP SCREW
M6 x 1.0
LENGTH: 4mm + THICKNESS OF CUSTOMER DECKING
316 STAINLESS STEEL
6 PLACES
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)
TORQUE TO 9.5 N-m [7 LB-ft]

WASHER, OPTIONAL
M6
316 STAINLESS STEEL

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE

ASS28A-427 EP O-RING
[4.75in ID x 0.25in DIA. EP]
FITS IN LARGER DIAMETER GLAND OF GIMBAL ASSY

CUSTOMER STRUCTURE, SEALED ENCLOSURE, DRY SPACE
SHOWN SECTIONED AND BROKEN AWAY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE

ASS28A-427 EP O-RING
[4.75in ID x 0.25in DIA. EP]
FITS IN LARGER DIAMETER GLAND OF GIMBAL ASSY

WARNING 5

SOC HD CAP SCREW
M6 x 1.0
LENGTH: 6mm + THICKNESS OF CUSTOMER DECKING
316 STAINLESS STEEL
6 PLACES
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)
TORQUE TO 9.5 N-m [7 LB-ft]
NUT, HEX (NYLOCK AND ACORN NUTS, OPTIONAL)  
M6 x 1.0  
316 STAINLESS STEEL  
6 PLACES  
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)

IMPORTANT:
CHASSIS GROUND SHALL BE TIED TO ONE MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND.  
MAX 0.25Ω

WASHER, OPTIONAL  
M6  
316 STAINLESS STEEL  
6 PLACES  
6 HOLES, MOUNTING  
6.4mm DIAMETER  
6 PLACES  
HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  
6 HOLES, MOUNTING  
6.4mm DIAMETER  
6 PLACES  

STUD, MALE  
M6 X 1.0 (LENGTH 19mm + THICKNESS OF MOUNT)  
316 STAINLESS STEEL  
6 PLACES  
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)

WARNING:

GIMBAL ASSEMBLY WEIGHT: <5 kg (11 lbs)

EXPOSED CABLING MOUNTING SCHEME:
CUSTOMER PROVIDED MOUNTING BRACKET / SURFACE  
CAMERA BALL DOWN CONFIGURATION  
ENTIRE ASSEMBLY CAN BE ROTATED 180° FOR BALL UPINSTALLATION  
HOME DIRECTION ZERO CAN BE SET FROM MENU.

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

SPACER, THRU  
6.4 ID X 17.3 OD X 3.2 THICK  
316 STAINLESS STEEL  
6 PLACES  

STUD, MALE  
M6 X 1.0 (LENGTH 19mm + THICKNESS OF MOUNT)  
316 STAINLESS STEEL  
6 PLACES  
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)

WARNING:

GIMBAL ASSEMBLY WEIGHT: <5 kg (11 lbs)

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
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PARTS SHOWN EXAMPLE ONLY

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UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.

CONDUIT HUB  
CUSTOMER SUPPLIED  
PARTS SHOWN EXAMPLE ONLY

HOLE CABLE PASS  
40.0mm DIAMETER MIN.  
50.4mm DIAMETER MAX.  
FOR O-RING SEAL  

MOUNT, CAMERA  
CUSTOMER SUPPLIED  
UNIT SHOWN EXAMPLE ONLY

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE.
GIMBAL ASSEMBLY
WEIGHT: <5.0 kg [11 lb]

M6 SCREWS, FLAT HEAD SOC CAP OR, 1/4"-20 SCREWS, FLAT HEAD SOC CAP OR, #14 X 1.5 SCREWS, FLAT HEAD PHILLIPS SHEET METAL TYPE AND LENGTH DEPENDANT ON MOUNTING SURFACE

316 STAINLESS STEEL

6 PLACES

APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)

SOC HD CAP SCREW
M6 X 1.0 X 10 mm LONG
316 STAINLESS STEEL
6 PLACES
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)
TORQUE TO 9.5 N-m [7 LB-ft]

WARNING
HOLE CABLE PASS
40.0 mm DIAMETER MIN.
63.5 mm DIAMETER MAX.

NOTE HOME POSITION ORIENTATION ON BOTTOM OF SYSTEM BASE

CHASSIS GROUND

CHASSIS GROUND SHALL BE TIED TO MOUNTING FASTENER FOR HIGH CONDUCTIVE PATH TO VESSEL GROUND. MAX 0.25Ω (CUSTOMER SUPPLIED)

GROUNDING SCHEME

AS568A-427 EP O-RING
[4.75in ID x 0.25in DIA. EP]
[120mm ID x 7mm DIA. EP]
FITS IN LARGER DIAMETER GLAND OF GIMBAL ASSY

M4 SCREWS, FLAT HEAD SOC CAP OR,
1/4"-20 SCREWS, FLAT HEAD SOC CAP OR,
8 x 1.5 SCREWS, FLAT HEAD PHILLIPS SHEET METAL type and length dependent on mounting surface
316 STAINLESS STEEL
6 PLACES
APPLY THREAD LOCKER (LOCTITE 242 OR EQUIVALENT)

TOP DOWN BASE
FLIR PN 500-0399-00 TOP DOWN RISER INSTALLATION KIT

CUSTOMER DECKING, OR OTHER STRUCTURE

FLIR PROVIDED MOUNTING BRACKET(S)
CAMERA BALL UP CONFIGURATION
ENTIRE ASSEMBLY VIEW CAN BE ROTATED 180° FOR BALL DOWN INSTALLATION
HOME DIRECTION ZERO CAN BE SET FROM MENU.

SCALE 1/2

HIDDEN CABLE MOUNTING SCHEME

FLIR PROVIDED MOUNTING BRACKET(S)
CAMERA BALL UP CONFIGURATION
ENTIRE ASSEMBLY VIEW CAN BE ROTATED 180° FOR BALL DOWN INSTALLATION
HOME DIRECTION ZERO CAN BE SET FROM MENU.

SCALE 1/2