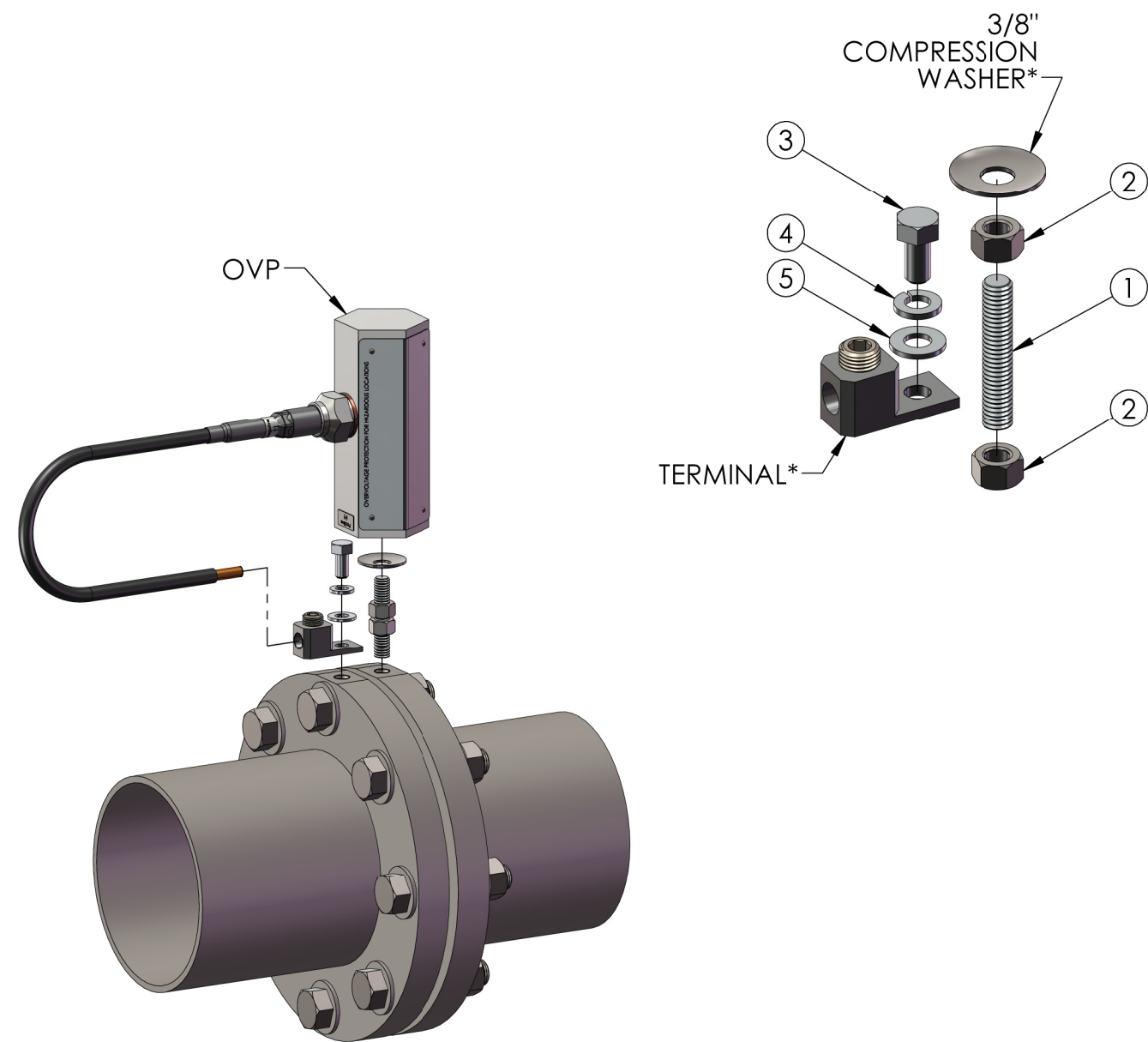


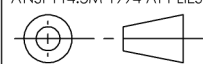
LINE NO.	DOCUMENT NUMBER	DESCRIPTION	QTY.
1	1192	STUD FULLY THREADED 3/8-16X2"	1
2	1054	NUT HEX 3/8-16	2
3	1193	SCREW HEX 5/16-18X0.625"	1
4	1195	WASHER SPLIT LOCK 5/16"	1
5	1194	WASHER FLAT 5/16"	1
6	3041	TEF-GEL	1

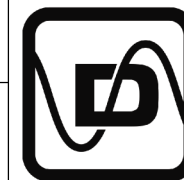


FMTH-38-516 INSTALLATION INSTRUCTIONS:

1. CENTER PUNCH MARK THE LOCATIONS FOR THE STUDS IN THE CENTER OF EACH FLANGE AS ILLUSTRATED.
2. USE THE APPROPRIATE TAP DRILL SIZE FOR A 3/8-16 STUD AND DRILL A VERTICAL HOLE ON THE TOP OF THE FLANGE $\geq 3/4$ " DEEP.
3. USE THE APPROPRIATE TAP DRILL SIZE FOR A 5/16-18 STUD AND DRILL A VERTICAL HOLE ON THE TOP OF THE ADJACENT FLANGE $\geq 5/8$ " DEEP.
4. TAP THE LARGER HOLE WITH A 3/8-16 TAP AND THE SMALLER HOLE WITH A 5/6-18 TAP AND CLEAN OUT THE CHIPS IN BOTH HOLES FROM THE TAPPING OPERATION.
5. HAND THREAD TWO 3/8 NUTS ON THE 3/8X2" LONG STUD SO EACH NUT IS $\approx 5/8$ " IN FROM EACH END. APPLY TEFGEL (CORROSION INHIBITOR) TO THE THREADS ON ONE END THE STUD AND THREAD THAT END FULLY INTO THE TAPPED HOLE. FULLY TIGHTEN THE LOWER NUT AGAINST THE FLANGE.
6. PLACE A 3/8 COMPRESSION WASHER OVER THE TOP END OF THE STUD WITH ITS OUTER EDGES CURVED UPWARD. APPLY TEFGEL TO THE STUD THREADS, SCREW THE THREADED END OF THE OVP FULLY ONTO THE END OF THE STUD, ORIENT THE OVP AS DESIRED AND SECURELY TIGHTEN THE 3/8 NUT AGAINST THE BOTTOM OF THE OVP.
7. PLACE A 5/16" SPLIT LOCK WASHER AND FLAT WASHER OVER THE 5/16 BOLT AND APPLY TEFGEL TO THE THREADS AND AROUND THE EDGE OF 5/16 TAPPED HOLE IN THE FLANGE. PLACE THE BOLTED CONNECTOR OVER THE 5/16 BOLT AND HAND THREAD THE BOLT INTO THE TAPPED HOLE. ORIENT THE CONNECTOR AS DESIRED AND FIRMLY TIGHTEN THE BOLT.
8. CUT OFF ALL EXCESS OVP LEAD POSSIBLE, LEAVING JUST ENOUGH SO WHEN THE INSULATION IS STRIPPED THE BARE CONDUCTOR CAN STILL BE INSERTED INTO THE CONNECTOR. (THIS MINIMIZES THE INDUCTIVE VOLTAGE DROP IN THE LEAD THEREBY PROVIDING BETTER OVER-VOLTAGE PROTECTION FROM LIGHTNING.)
9. STRIP $\approx 3/4$ " OF INSULATION FROM THE LEAD, APPLY TEFGEL AROUND THE BARE CONDUCTOR, INSERT THE CONDUCTOR INTO THE CONNECTOR AND TIGHTEN THE CONNECTOR SCREW FIRMLY WITH THE HEX WRENCH PROVIDED.

* THESE PARTS, PLUS ALLEN WRENCH, SUPPLIED WITH OVP

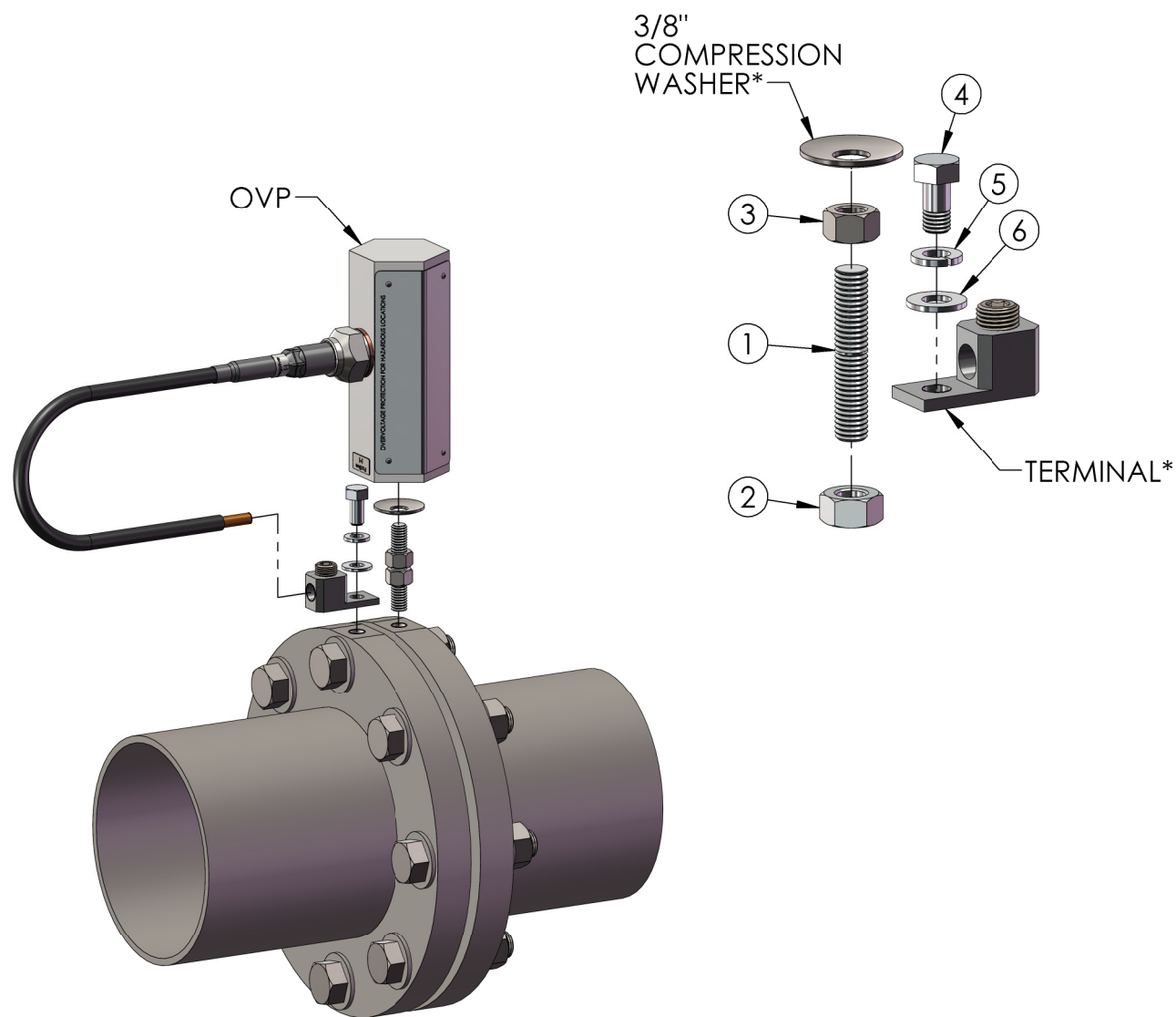
ANSI Y14.5M 1994 APPLIES

 UNLESS NOTED
 UNITS: INCHES
 3-PLACE: ± 0.05
 2-PLACE: ± 0.15
 1-PLACE / FRAC: ± 0.03
 ANGULAR: ± 1



**DAIRYLAND
ELECTRICAL
INDUSTRIES, INC.**
 P.O. BOX 187
 STOUGHTON,
 WI 53589
 608-877-9900
 DAIRYLAND.COM

DESCRIPTION				
FMTH INSTALLATION				
DOCUMENT #	REV	DATE DRAWN	DWG SIZE	DATE APPROVAL
100052	B	2014-02-05	B	2019-03-14
SCALE 1:2	DRAWN: JPW	SHEET: 1 OF 2	DWG APPROVAL: JWV	

LINE NO.	DOCUMENT NUMBER	DESCRIPTION	QTY.
1	1197-1	STUD 3/8-16X1" M10X1.5X1"	1
2	1198	NUT HEX M10-1.5	1
3	1054	NUT HEX 3/8-16	1
4	1199	SCREW HEX M8-1.25X16MM	1
5	1195	WASHER SPLIT LOCK 5/16"	1
6	1194	WASHER FLAT 5/16"	1
7	3041	TEF-GEL	1

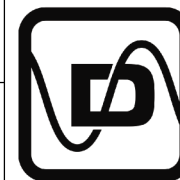


FMTH-10M-8M INSTALLATION INSTRUCTIONS

- CENTER PUNCH MARK THE LOCATIONS FOR THE STUDS IN THE CENTER OF EACH FLANGE AS ILLUSTRATED.
- USE THE APPROPRIATE TAP DRILL SIZE FOR A M10-1.5 STUD AND DRILL A VERTICAL HOLE ON THE TOP OF THE FLANGE $\geq 3/4"$ ($\geq 19\text{MM}$) DEEP.
- USE THE APPROPRIATE TAP DRILL SIZE FOR A M8-1.25 TAP AND DRILL A VERTICAL HOLE ON THE TOP OF THE ADJACENT FLANGE $\geq 5/8"$ ($\geq 16\text{MM}$) DEEP.
- TAP THE LARGER HOLE WITH A M10-1.5 TAP AND THE SMALLER HOLE WITH AN M8-1.25 TAP AND CLEAN OUT THE CHIPS IN BOTH HOLES FROM THE TAPPING OPERATION.
- HAND THREAD AN M10 NUT ON THE M10 THREADED END OF THE STUD AND A 3/8-16 NUT ON THE 3/8-16 THREADED END OF THE 2" LONG STUD SO EACH NUT IS $\approx 5/8"$ IN FROM EACH END. APPLY TEFGEL (CORROSION INHIBITOR) TO THE THREADS ON M10 END OF THE STUD AND THREAD THAT END FULLY INTO THE TAPPED HOLE. FIRMLY TIGHTEN THE M10 NUT AGAINST THE FLANGE.
- PLACE A 3/8 COMPRESSION WASHER OVER THE TOP END OF THE STUD WITH ITS OUTER EDGES CURVED UPWARD. APPLY TEFGEL TO THE STUD THREADS, SCREW THE THREADED END OF THE OVP FULLY ONTO THE END OF THE STUD, ORIENT THE OVP AS DESIRED AND SECURELY TIGHTEN THE 3/8 NUT AGAINST THE BOTTOM OF THE OVP.
- PLACE A SPLIT LOCK WASHER, FLAT WASHER OVER THE M8 BOLT AND APPLY TEFGEL TO THE THREADS AND ALSO AROUND THE EDGE OF THE M8 TAPPED HOLE IN THE FLANGE. PLACE THE M8 BOLT WITH WASHERS THROUGH THE CABLE CONNECTOR AND HAND THREAD THE BOLT INTO THE TAPPED HOLE. ORIENT THE CONNECTOR AS DESIRED AND FIRMLY TIGHTEN THE BOLT.
- CUT OFF ALL EXCESS OVP LEAD POSSIBLE, LEAVING JUST ENOUGH SO WHEN THE INSULATION IS STRIPPED THE BARE CONDUCTOR CAN STILL BE INSERTED INTO THE CONNECTOR. (THIS MINIMIZES THE INDUCTIVE VOLTAGE DROP IN THE LEAD THEREBY PROVIDING BETTER OVER-VOLTAGE PROTECTION FROM LIGHTNING.)
- STRIP $\approx 3/4"$ OF INSULATION FROM THE LEAD, APPLY TEFGEL AROUND THE BARE CONDUCTOR, INSERT THE CONDUCTOR INTO THE CONNECTOR AND TIGHTEN THE CONNECTOR SCREW FIRMLY WITH THE HEX WRENCH PROVIDED.

* THESE PARTS, PLUS ALLEN WRENCH, SUPPLIED WITH OVP

ANSI Y14.5M 1994 APPLIES	
UNLESS NOTED	63/
UNITS: INCHES	
3-PLACE: ± 0.005	
2-PLACE: ± 0.015	
1-PLACE / FRAC: ± 0.03	
ANGULAR: ± 1	



DAIRYLAND ELECTRICAL INDUSTRIES, INC.
 P.O. BOX 187
 STOUGHTON, WI 53589
 608-877-9900
 DAIRYLAND.COM

DESCRIPTION FMTH INSTALLATION				
DOCUMENT # 100052	REV B	DATE DRAWN 2014-02-05	DWG SIZE B	DATE APPROVAL 2019-03-14
SCALE 1:2	DRAWN: JPW	SHEET: 2 OF 2	DWG APPROVAL: JWV	