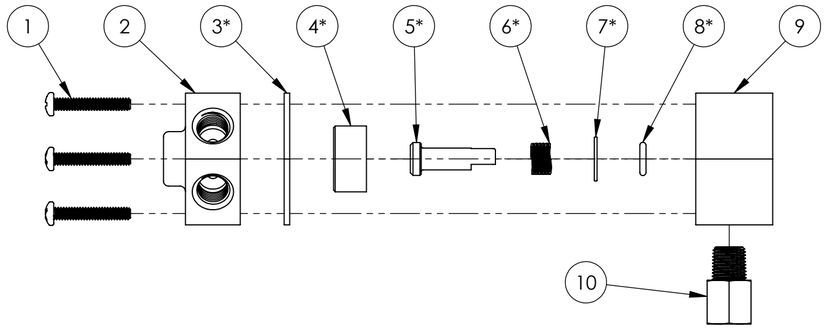
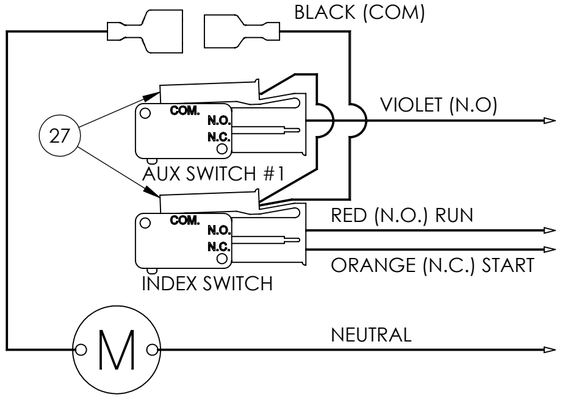
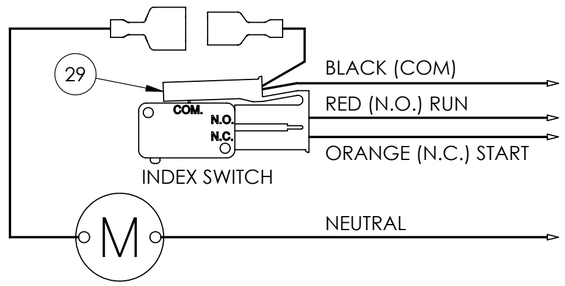
PILOT CONTROL ASSEMBLY



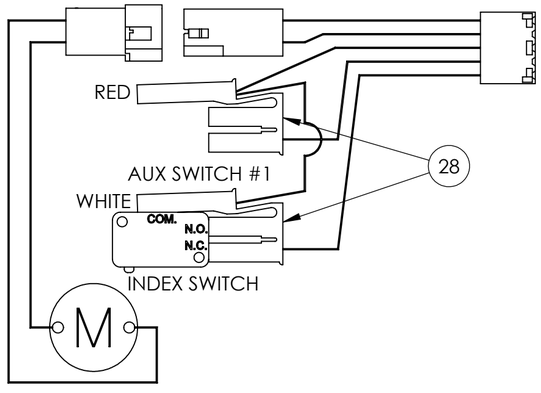
CYCLE & HOMING SWITCHES



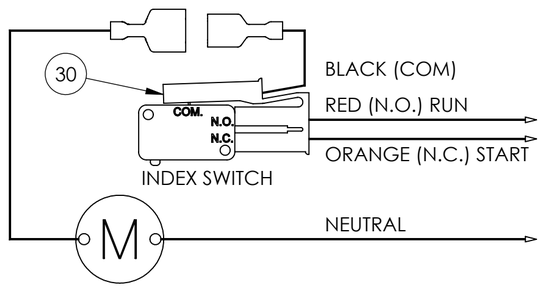
STANDARD CYCLE SWITCH



NXT CYCLE & HOMING SWITCHES



CYCLE ONLY SWITCH



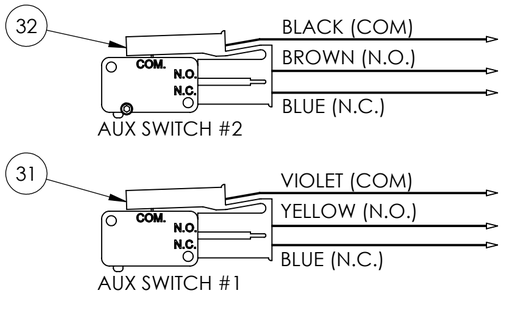
INTERNAL PARTS KITS

STAGER PROGRAM	INTERNAL PARTS KITS STANDARD PROGRAMS		INTERNAL PARTS KITS INVERTED PROGRAMS	
48-00	1074817	48-IAB	1077585	48-IABI
48-01				
48-03				
48-04				
48-11				
48-12				
48-TA				
48-83	1081593	48-IA-83	1081594	48-IA-83I
48-84				
48-85				
48-TB	1077584	48-IA-TB		
48-SS	1074816	48-IA-SP	SPECIFY DWG. NO. WHEN ORDERING THESE PARTS	

INTERNAL PARTS KITS INCLUDE ITEM NO. 3, 4, 5, 6, 7, 8 ALONG WITH A SMALL PACKET OF SILICON LUBRICANT

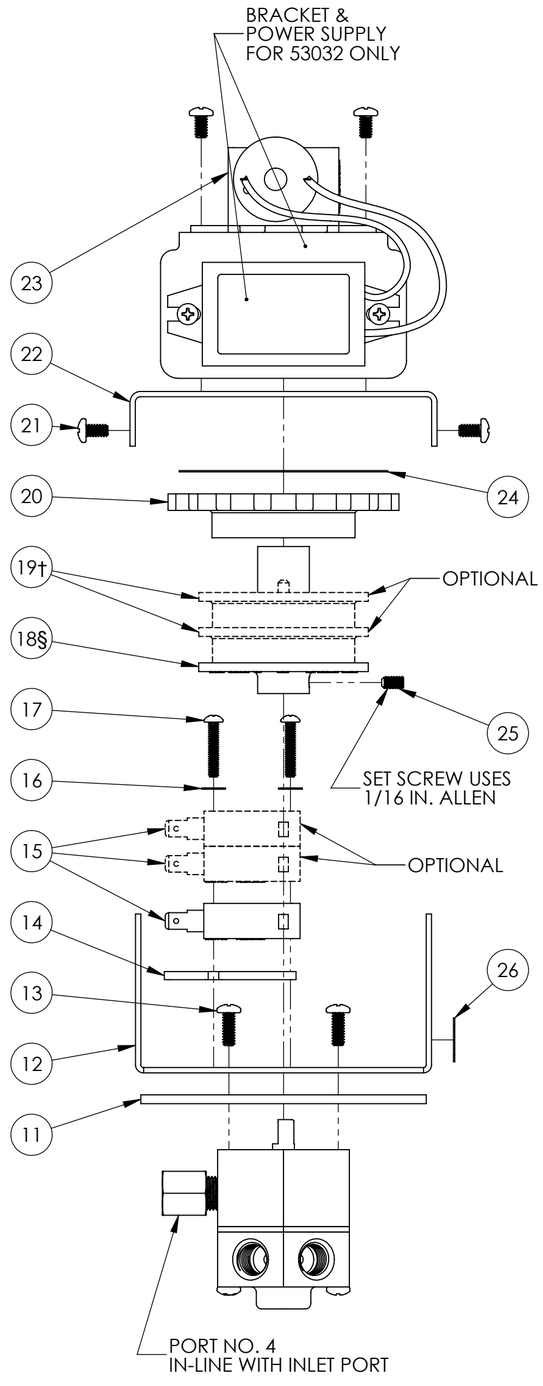
OPTIONAL AUX SWITCHES

MAXIMUM OF 2X



SWITCH RATINGS

11A 1/3HP
125, 250, 277 VAC
1/2A 125 VDC
4A 125 VAC L



REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
1246	E	UPDATED TO AQ TEMPLATE, PART TO PRINT	4/18/2018	TRK
2474	F	REDRAWN FOR MOTOR UPDATE	11/20/2024	PMJ
2508	G	TITLE BLOCK CORRECTION	1/23/2025	PMJ
2571	H	SET SCREW 1077510 SEPARATED FROM 1076243	7/22/2025	PMJ

ITEM NO.	DESCRIPTION		PART NO	MODEL	QTY.
1	SCREW,6-32 X 1 1/8" PAN HEAD		1075759	SCS-0075	3
2	BACKPLATE,48,BRASS	STANDARD	1074784	48-A	1
		48-TA	1073991	348-A	1
3*	GASKET, BACKPLATE. 48 STAGER		1084171	48006	1
4*	STEMPLATE,48,ALPHA		PER PROGRAM		1
5*	STEM, SHAFT ASSY, 48		1070448		1
6*	SPRING,WAVE,17-7 SS,48 STGR		1076234		1
7*	WASHER,302,SS		1074074	41-F	1
8*	O-RING,-010,BUNA		1071667	ORB-010	1
9	BONNET, 48, BRASS		1074793	48-B	1
10	INLET STRAINER ASSY		1074825	48-Q	1
11	GASKET, STAGER MOUNT, 48		1075737		1
12	PLATE,BOTTOM MOUNTING,STAGER		1070437		1
13	SCREW, PHLP, PN HD, 6-32 X 3/8", SS		1072371	SCS-0070	4
14	SWITCH INSULATOR		1075455	58B019	1
15	SWITCH,MICRO		1075499	58013	3
16	LOCK WASHER (NO. 4)		1073593	WAS-0015	2
17	PAN HD. MACH. SCREW 4-40 THREAD	1 SWITCH	1072369	SCS-0064	2
		2 SWITCHES	1075757	SCS-0065	
		3 SWITCHES	1072389	SCS-0151	
18§	CYCLE CAM, STAGER		1076243		1
19†	CAM, AUXILIARY		PER PROGRAM		2
20	THUMB WHEEL, STAGER		1075454	58B018	1
21	SCREW, 6-32 X 1/4", PHIL, PAN		1075746		6
22	PLATE, MOTOR MOUNTING		1070436		1
23	MOTOR ASSY	100-265 VAC	53032		1
		NXT ONLY	53031		
		12 - 24 V	53030		
24	LABEL, DIAL, STGR, 2.375 X .875		PER PROGRAM		1
25	#6-32 X .25 SET SCREW		1077510		1
26	LABEL,SERIAL NUMBER,1.5"X.5"		42813U		1
27	HARNESS,STGR,CYCLE & HOMING		1075463	58B029	1
28	HARNESS, UPPER DRIVE		40941		1
29	HARNESS,STGR,CYCLE & COMMON		1075464	58B030	1
30	HARNESS, STAGER, CYCLE ONLY		1075496	58010	1
31	SWITCH WIRE ASSY,#1 AUX		1075501	58015	1
32	SWITCH WIRE ASSY,#2 AUX		1075502	58016	1

NOTES:
1. § - STAGER PROGRAM MUST BE SPECIFIED WHEN ORDERING THIS PART.
2. † - MUST SPECIFY IN WHICH POSITION(S) SWITCH OUTPUT(S) ARE REQUIRED.
3. * - SUPPLIED AS A KIT ONLY.

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M -2018.

PRIMARY UNITS SHOWN IN INCHES.
SECONDARY UNITS SHOWN IN MILLIMETERS.

THIRD ANGLE PROJECTION

DEFAULT TOLERANCES:
ANGLES : ± 1°
1 PLACE .X: ± .100 [2.54]
2 PLACE .XX: ± .010 [0.3]
3 PLACE .XXX: ± .005 [0.13]

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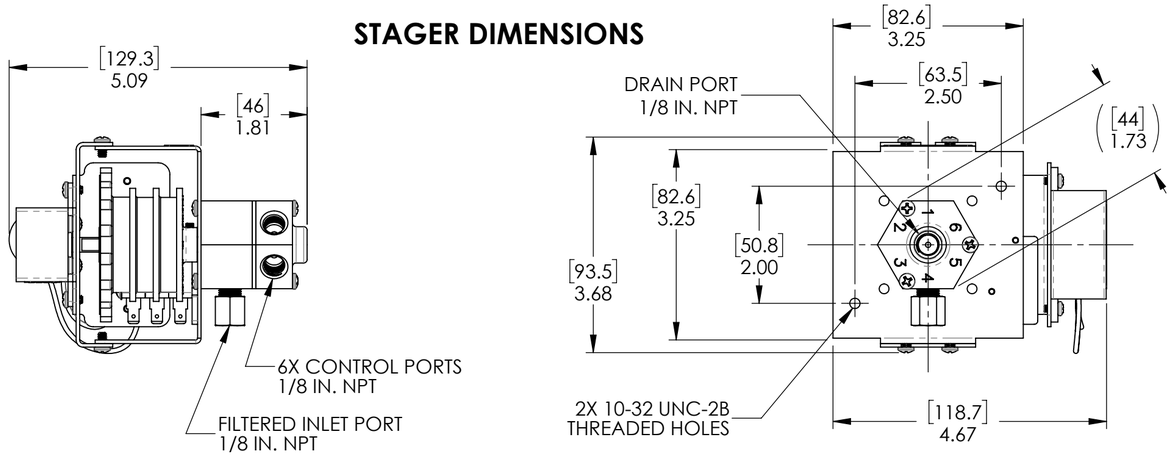
AQMATIC Valves & Controls

DESCRIPTION
SERIES 48 STAGER ASSEMBLY

DWG NO. **1077882** REV. H
SIZE C SCALE 3:4 SHEET 1 OF 2

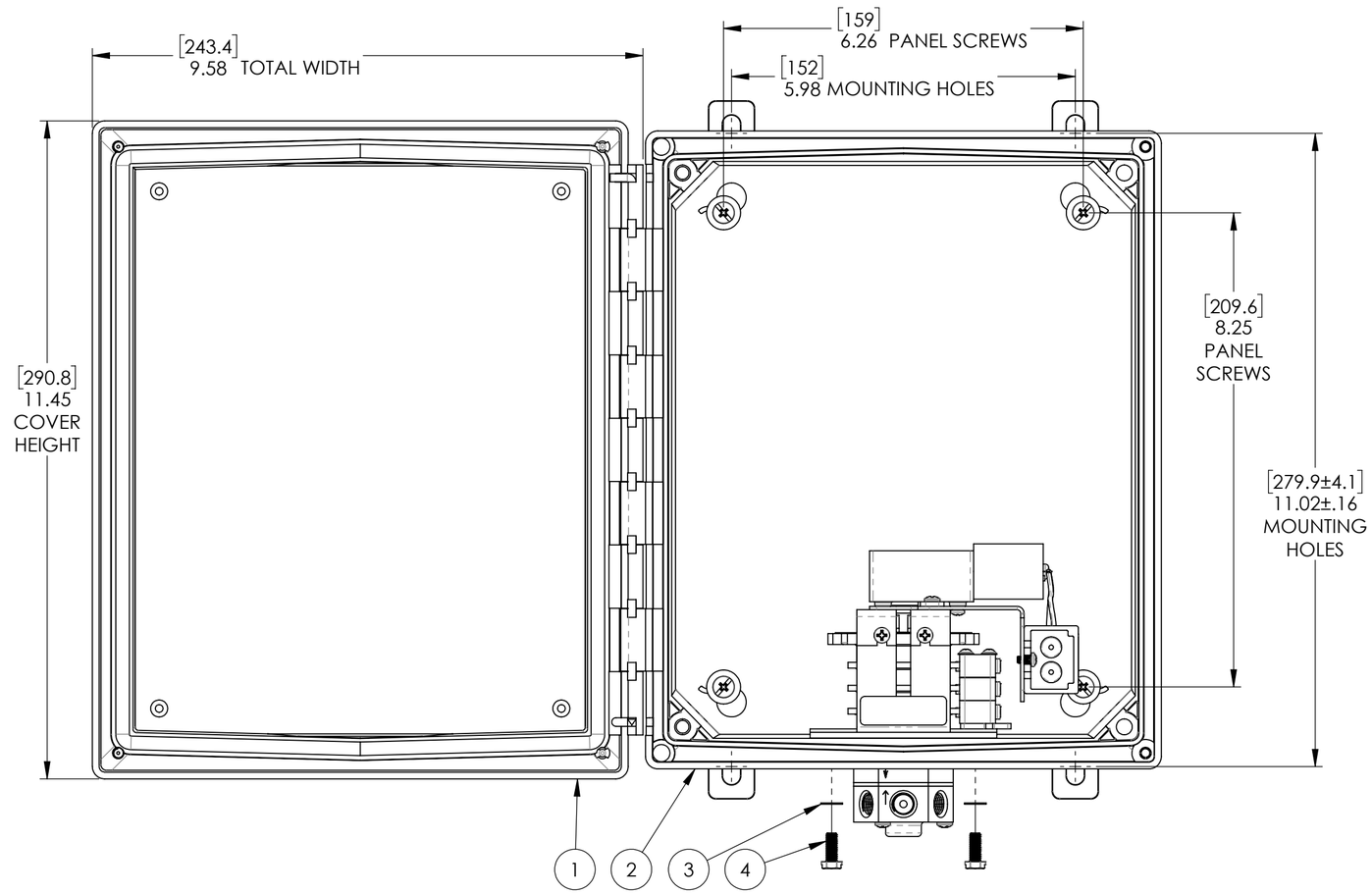
REVISIONS				
ECN	REV	DESCRIPTION	DATE	APPROVED
SEE SHEET 1 FOR REVISION HISTORY				

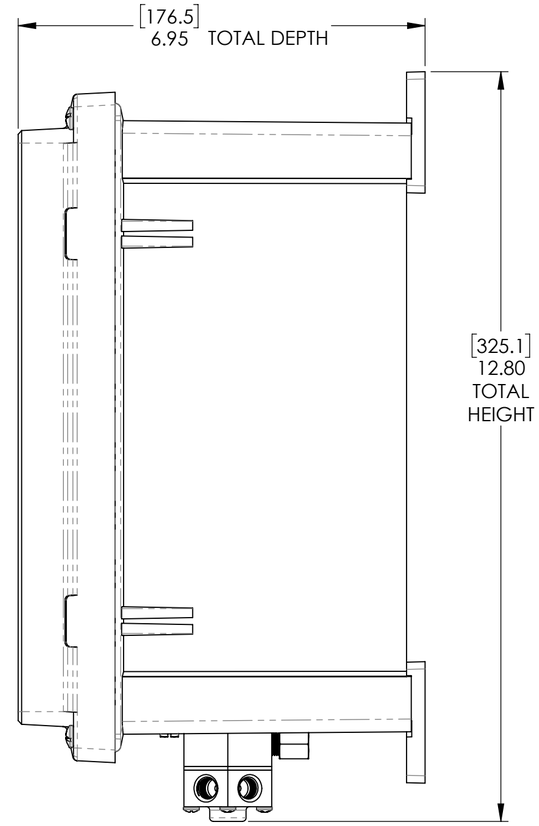
STAGER DIMENSIONS



ITEM NO.	DESCRIPTION	PART NO	MODEL	QTY.
1	COVER, NEMA 4X, 10x8x6	23039		1
2	ENCLOSURE, NEMA 4X, 10x8x6	23038-1		1
3	WASHER, LOCK,INTERNAL,#10,SS	1078992	WAS-0005	2
4	SCREW, HX HD, 10-32, X 1/2", SS	3014200		2

NEMA 4X ENCLOSURE DIMENSIONS





SERIES NO.	PORTS VENTED IN POSITION						DESCRIPTION
	A	B	C	D	E	F	
48-00	1,2 (SVC)	-	3,4 (BW)	-	5,6 (BR)	1,6 (FR)	4 POSITION SOFTENER
48-01	1,2 (SVC)	-	3,4 (BW)	-	-	1,6 (FR)	3 POSITION FILTER
48-03	1,2 (SVC)	-	3,4 (BW)	-	5,6 (BR)	1,6 (FR)	4 POSITION SOFTENER *
48-04	1,2 (SVC)	-	3,4 (BW)	-	5,6 (BR)	1,6 (FR)	2 POSITION FILTER
48-11	1 (SVC)	3 (AS)	-	4,5 (BW)	5,6 (FR)	-	4 POS. FILTER W/ AIR SCOUR - SEP. SOURCE
48-12	1,2 (SVC)	-	3,4 (BW)	4,5 (BR)	-	1,6 (FR)	4 POSITION UPFLOW SOFTENER 4 POSITION FILTER W/ AIR SCOUR
48-83	2 (BW B)	3 (BW C)	-	-	6 (SVC)	1 (BW A)	3 TANK SEQUENTIAL FILTER
48-84	2 (BW B)	3 (BW C)	4 (BW D)	-	6 (SVC)	1 (BW A)	4 TANK SEQUENTIAL FILTER
48-85	2 (BW B)	3 (BW C)	4 (BW D)	5 (BW E)	6 (SVC)	1 (BW A)	5 TANK SEQUENTIAL FILTER
48-TA	1 (SVC A)	-	2(SVC B)	-	-	-	2 TANK ALTERNATOR *
48-TB	1 (SVC A)	4 (SVC B)	1 (SVC A)	4 (SVC B)	1 (SVC A)	4 (SVC B)	2 TANK ALTERNATOR

NOTES:

1. PIPING SCHEMATICS AVAILABLE UPON REQUEST.
2. ENCLOSURE MADE FROM UNFILLED POLYCARBONATE.
3. DIMENSIONS GIVEN IN INCHEST [MM].
4. TYPICAL STAGERS SUPPLIED WITH NOTCHED CAM FOR PULSE OUTPUT TYPE TIMERS. * IN DESCRIPTION DENOTES VALVES SUPPLIED WITH BUTTERFLY CAM FOR "UP/DOWN" OUTPUT TYPES.

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M -2018.

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SECONDARY UNITS SHOWN IN MILLIMETERS.

THIRD ANGLE PROJECTION

DEFAULT TOLERANCES:
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AQMATIC Valves & Controls

DESCRIPTION
SERIES 48 STAGER ASSEMBLY

DWG NO.	1077882	REV.	H
SIZE	C	SCALE 1:2	SHEET 2 OF 2