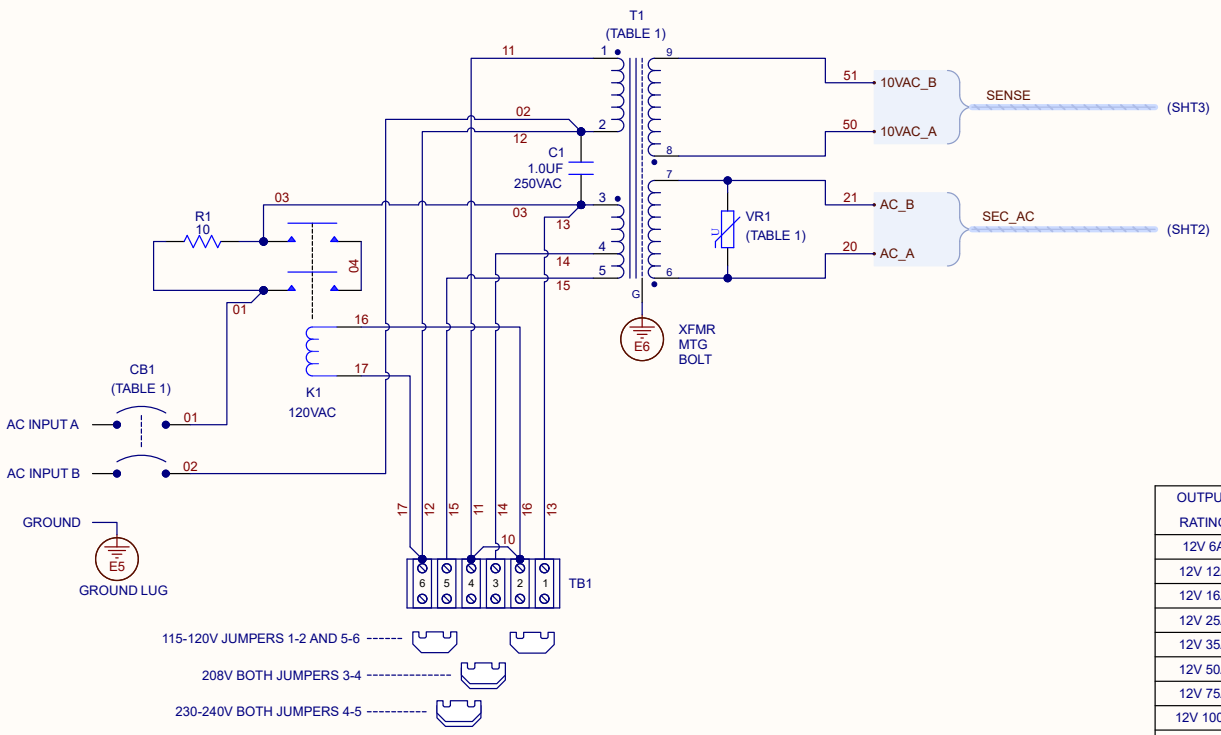

REVISIONS

DCN	REV	DESCRIPTION	DATE	APPROV.
PLC IQ	B	UPDATED TABLE	11 JUN 2007	TCG
106051	C	T1 PIN NUMBERS	19 DEC 2011	TCG
106471	D	REDRAWN AND UPDATED	18 FEB 2014	TCG
108291	E	DIGITAL CONTROL & PROTOCOL BOARDS	08 SEP 2020	TCG
108400	F	DIGITAL CONTROL & PROTOCOL BOARDS	12 JUN 2023	TCG

NOTES

1. THIS CONFIGURATION IS USED FOR JUMPER-SELECTED THREE WAY INPUT VOLTAGE MODELS: 115-120/208/230-240VAC NOMINAL INPUT (CODES P AND T) EQUIPPED WITH INRUSH LIMITERS.
2. CB1, T1, AND VR1 VARY WITH INPUT RATING. SEE TABLE 1 FOR DETAILS.
3. MAXIMUM CIRCUIT BREAKER RATING 30A, ALLOWING 2.6KVA INPUT RATING (30A X 80% = 24A @ 110VAC)
4. T1 HAS INTERNAL THERMAL LIMITERS AT TERMINALS 1 AND 5.
5. PRIMARY WIRE SIZES:
   K1 COIL TO TB1: 22 AWG MINIMUM
   CB1 - K1 CONTACTS - TB1 - T1 PRIMARY: 10 AWG
6. MODELS WITH OPTIONAL BREAKER INTERRUPT RATINGS (MORE THAN 10KAIC) MUST BE EQUIPPED WITH INRUSH LIMITER.
7. CE MARKED MODELS COMPLIANT WITH EN61000-3-3 MUST BE EQUIPPED WITH INRUSH LIMITER.
8. COMPONENT LEADS THAT ARE NOT PART OF A WIRING HARNESS DO NOT HAVE WIRE NUMBERS.

TABLE 1 INPUT COMPONENT SELECTION

OUTPUT RATING	VR1	SECONDARY AWG	50/60HZ (CODE P)		60HZ (CODE T)	
			T1	CB1	T1	CB1
12V 6A	130V	10 AWG	600Q00P	10-15A 240V	600Q00T	10-15A 120/240V
12V 12A	130V	10 AWG	600Q01P	10-15A 240V	600Q01T	10-15A 120/240V
12V 16A	130V	10 AWG	600Q02P	10-15A 240V	600Q02T	10-15A 120/240V
12V 25A	130V	10 AWG	600Q03P	10-15A 240V	600Q03T	10-15A 120/240V
12V 35A	130V	6 OR 8 AWG	600Q04P	15A 240V	600Q04T	15A 120/240V
12V 50A	130V	6AWG	600Q05P	20A 240V	600Q05T	20A 120/240V
12V 75A	130V	4AWG	600Q06P	25A 240V	600Q06T	25A 120/240V
12V 100A	130V	2AWG	600Q07P	30A 240V	600Q07T	30A 120/240V
24V 6A	130V	10 AWG	600Q10P	10-15A 240V	600Q10T	10-15A 120/240V
24V 12A	130V	10 AWG	600Q11P	10-15A 240V	600Q11T	10-15A 120/240V
24V 16A	130V	10 AWG	600Q12P	10-15A 240V	600Q12T	10-15A 120/240V
24V 25A	130V	10 AWG	600Q13P	15A 240V	600Q13T	15A 120/240V
24V 35A	130V	6 OR 8 AWG	600Q14P	20A 240V	600Q14T	20A 120/240V
24V 50A	130V	6AWG	600Q15P	30A 240V	600Q15T	30A 120/240V
48V 6A	130V	10 AWG	600Q20P	10-15A 240V	600Q20T	10-15A 120/240V
48V 12A	130V	10 AWG	600Q21P	15A 240V	600Q21T	15A 120/240V
48V 16A	130V	10 AWG	600Q22P	20A 240V	600Q22T	20A 120/240V
48V 25A	130V	10 AWG	600Q23P	30A 240V	600Q23T	30A 120/240V
120V 6A	250V	10 AWG	600Q30P	15A 240V	600Q30T	15A 120/240V
120V 12A	250V	10 AWG	600Q31P	30A 240V	600Q31T	30A 120/240V
240V 6A	480V	10 AWG	600Q40P	30A 240V	600Q40T	30A 120/240V

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APPROVALS

DESIGNER

CHECKER

ENGINEER
T. GROAT

SENS **STORED ENERGY SYSTEMS**
LONGMONT, CO

WD,IQ,INP,3WAY,2600VA,INRSH LIM
PRIMARY WIRING AND ISOLATION TRANSFORMER

SIZE	DWG NUMBER	REVISION
B	WD\00547	F

12 JUN 2023 SHEET 1 OF 1

FILE: WD_00547_RevF.SCHDOC