



- NOTE 1: DRIVE ALARM OPENS ON FAULT.  
 NOTE 2: AUTO - MAN KEY SWITCH (KEY REMOVABLE IN AUTO POSITION ONLY).  
 NOTE 3:A: IF ONLY 1 CABLE IS PROVIDED FOR SEAL FAIL THEN EARTH S1.  
 NOTE 3:B: IF PROPRIETARY MOTOR PROTECTION UNITS ARE INSTALLED REMOVE BRIDGING LINK TB1-X5 & TB1-X6 AND TB1-X7 & TB1-X8. SEAL AND THERMAL INDICATION MUST BE INTERFACED TO K255 AND K259. SEAL AND THERMISTOR RELAYS REPLACED WITH OMRON G2R24-SNDI. IGNORE T1, T2, S1 & S2. SPARE  
 NOTE 4: SPARE  
 NOTE 5: AUXILIARY CONTACT NOT USED WHERE MODBUS CONNECTION TO CIRCUIT BREAKER IS PRESENT.  
 NOTE 6: FOR RJ45 TERMINATIONS REFER TO SD-820-11.  
 NOTE 7: USE TERMINALS 05 AND 06 FOR THERMISTOR INTERLOCK.  
 NOTE 8: PHOENIX CONTACTS: 11-C, 12-NC, 14-NO.

ISSUE	AMENDMENT DETAILS	Drawn	Checked	Approved	Date
00	ORIGINAL ISSUE			D.F	3.8.12
01	AMENDED ISSUE RELEASED FOR PUBLICATION	E.K	P.B	D.F	13.08.13
02	ADDITION OF RUNNING RELAY AND ASSOCIATED CONTACTS	E.K	P.B	D.F	27.04.15
03	REMOVED WELL WASH AND NOTES AMENDED	C.N	P.B	D.F	05.12.18
04	UPDATED OMRON RELAY PART NO IN NOTES	P.B	M.G	D.F	14.02.19
05	UPDATED VSD MODBUS REFERENCE NUMBERING & K266	P.B	D.R	J.G	29.07.20

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 APPROVED: [Signature]  
 SCALE NTS  
 ACAD FILE No.:

PROJECT: SEWAGE PUMP STATIONS  
 ELECTRICAL STANDARD DRAWINGS  
 PLAN TITLE: PUMP No.1. VARIABLE FREQUENCY DRIVE  
 POWER AND CONTROL (ATV 630,650)

DRAWING NUMBER: SD-820B/02  
 SHEET 02 OF 19  
 REV 05  
 DATE 29/07/2020