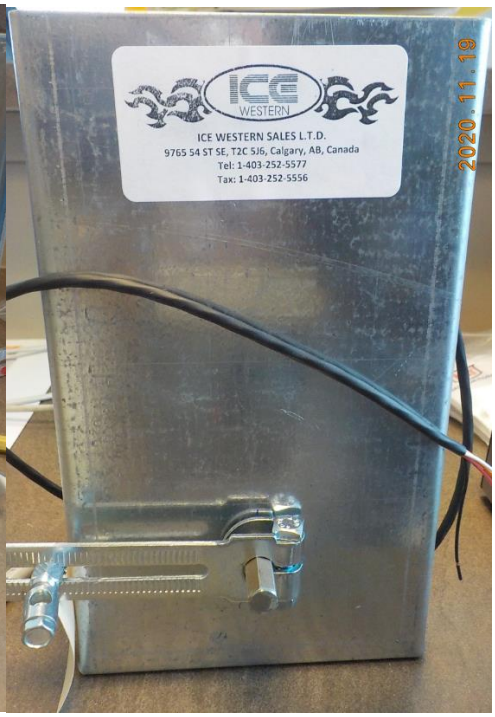
GIDM M120 modulating amplifier actuator retrofit

1. Disconnect and & remove original M120 actuator from present butterfly gas valve



2. Mount L bracket in same location and alignment as previous M120 and set linkage with Belimo modulating actuator for gas valve to move with valve and linkages same way as before. (Modulating valve has switch for left/ right moving step). Make sure bracket is secured to “butterfly “gas valve also as modulating actuator Belimo and linkages. (Use attached mounting and securing material).





3. Install Distech pre-programed controller (ECB-203) – with DIN railing to electrical panel.
4. Install new discharge sensor (Belimo) to the place of **previous** one; use present or new **shielded wire (recommended)**

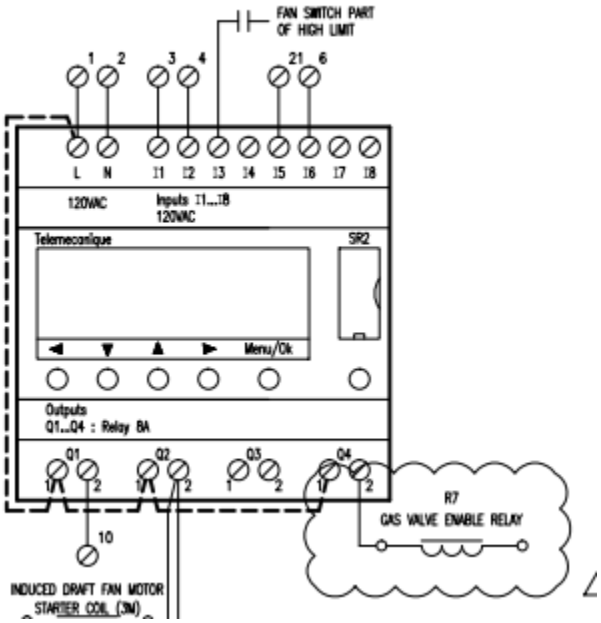


5. Install Smart VUE STAT controller (if wish to or placed in remote location use UTP CAT5e or higher standard to connect with 2 RJ45 connectors as IP networks standards.





6. Wire all parts in the kit as attached wiring diagram (cloud framed GIDM M120 RETROFIT WIRING file) Units without Zelio (smart clock) controller - keep controller permanently powered (relay by-pass) (Q4)



7. Follow parts manuals for proper installation and torque limits on components

8.

8. Balance unit to reach proper discharge temperature & combustions.

Controller adjustment:

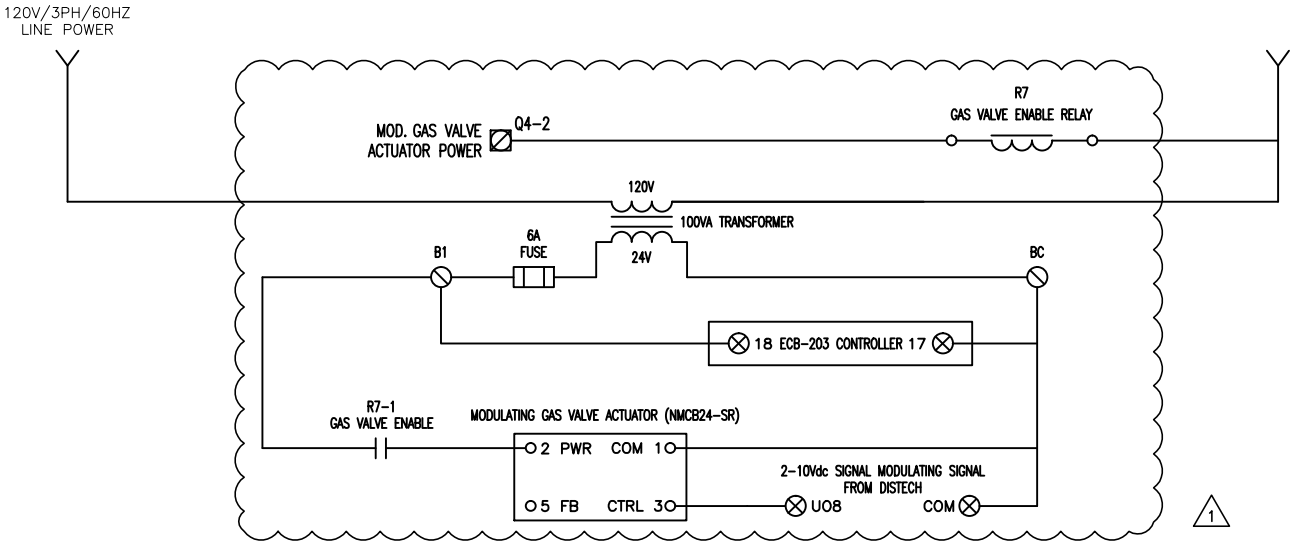
Via menu on Smart VUE Controller (white with screen) you can adjust minimal position or sensing curve as:

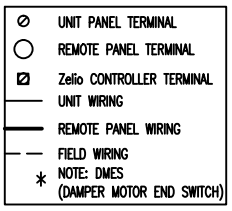
Discharge temperature set point adjustment

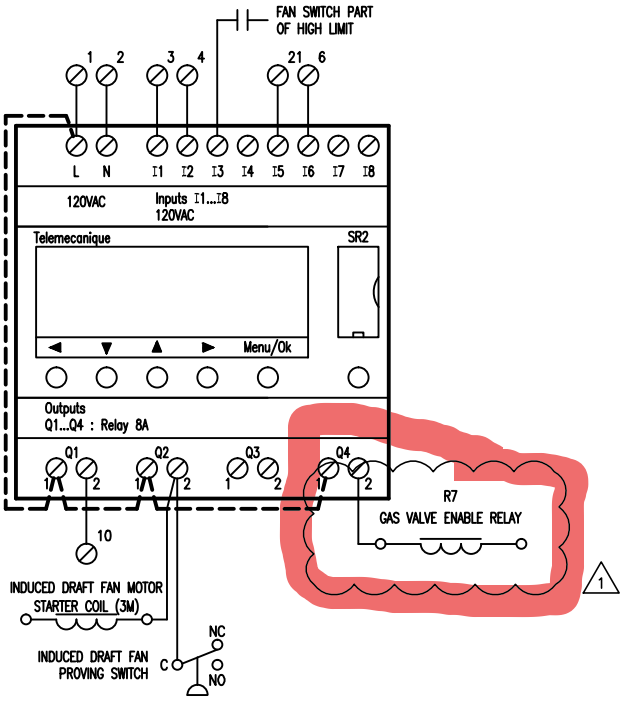
- Heat mode status
- Gas valve output (%, 0-100% = 2-10VDC)

When holding the menu button, it will ask for a password. Enter 9999 to access the following:

- PID Proportional Band adjustment (HEAT P)
- PID Integral Time adjustment (HEAT I)
- PID Dead band adjustment (DEADBAND)
- PID Ramp time adjustment (RAMP TIME, seconds)







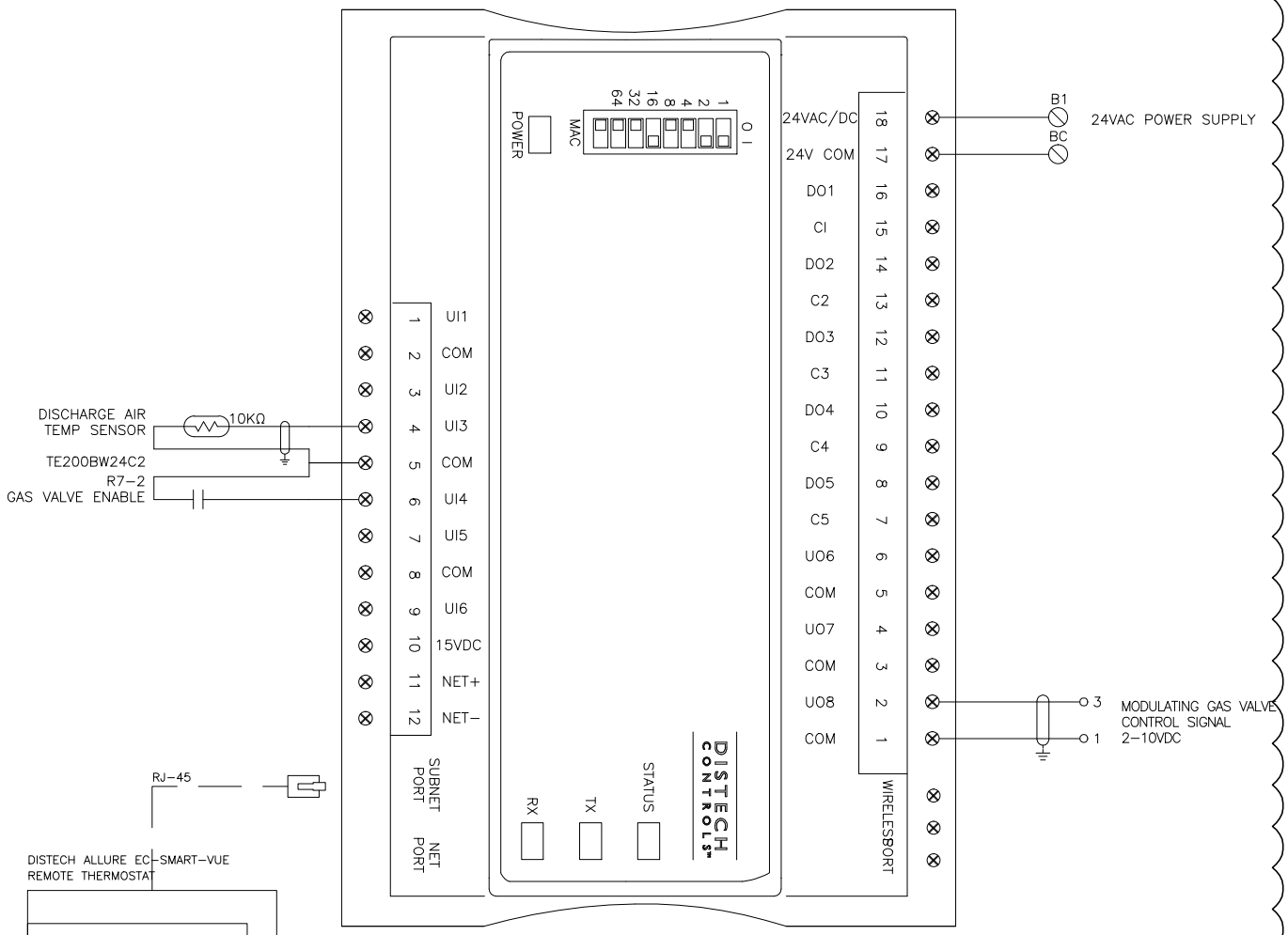
Rev	By	Revision Description	Date
1	KC	GENERIC M120 REPLACEMENT WIRING	NOV-21-19

TITLE
GIDM M120 RETROFIT WIRING

GIDM SERIES

DRAWN BY	ISSUED BY	SCALE	DRW. NO.	
KC		N/A		
CHK. BY	DATE		JOB NO.	REV
	Nov 21/19			–

DISTECH ECB-203 CONTROLLER



1

Rev	By	Revision Description	Date
1	KC	GENERIC M120 REPLACEMENT WIRING	NOV−21−19

ICG

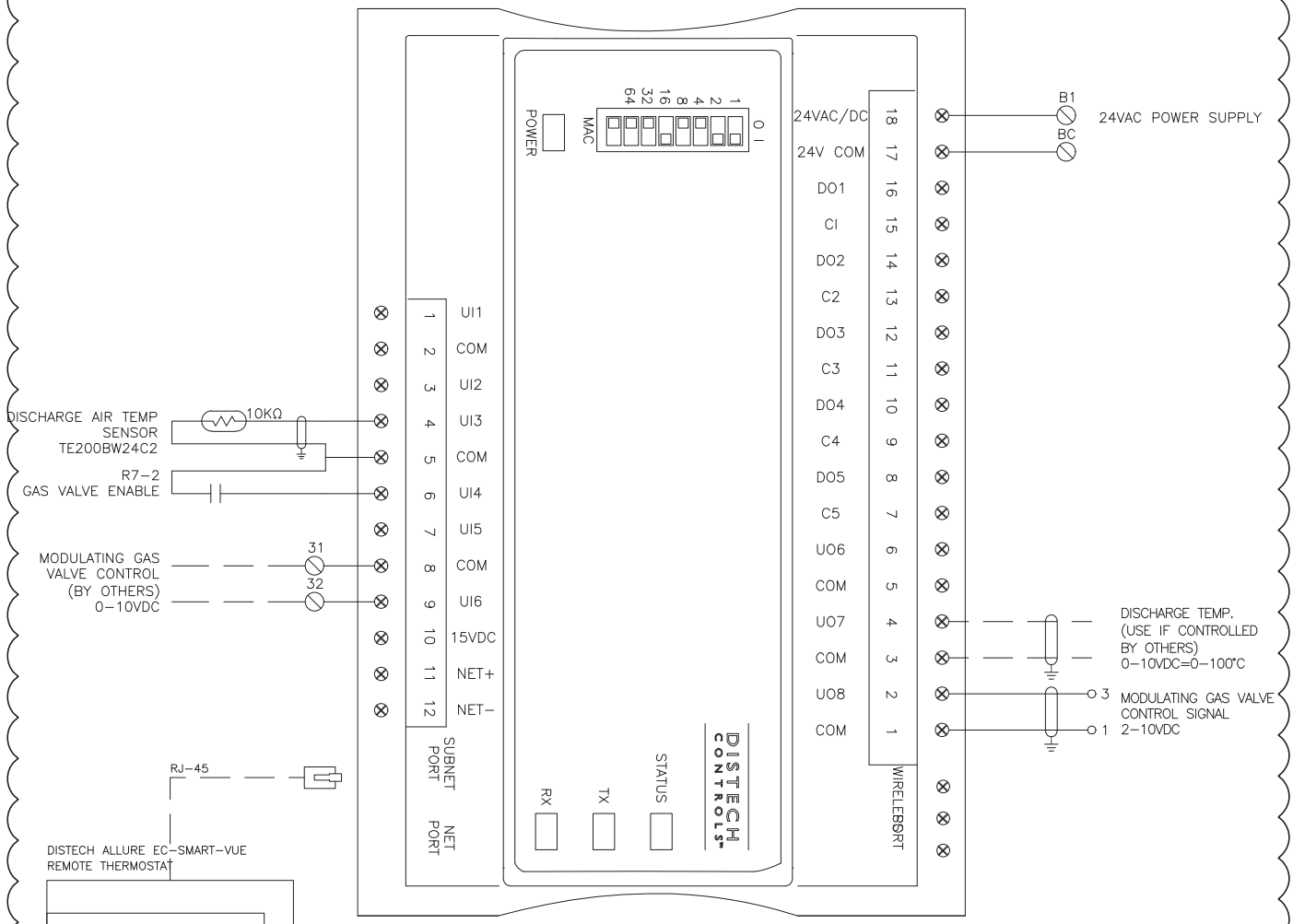
GIDM SERIES

TITLE
GIDM M120 RETROFIT WIRING

DRAWN BY	ISSUED BY	SCALE	DRW. NO.	
KC		N/A		
CHK. BY	DATE		JOB NO.	REV
	Nov 21/19			−

DISTECH ECB-203 CONTROLLER

CONNECTON WITH 0-10 VDC SIGNAL CONTROL



F

Rev	By	Revision Description	Date
F	BS	ADDED DISTECH ECB-203, BELIMO ACTUATOR	04/28/20
C	J.E.	Deleted season switch	11/12/02
E	J.E.	Added LRO-1 & 2 relays c/w Contacts	Nov. 27/02
D	J.E.	Deleted Remote Panel	Nov. 21/02

GIDM SERIES

TITLE
GIDM Control Wiring, Pico Controller, 0-10Vdc Signal (by others), 2-Position Damper Motor, Supervisory Panel, Inlet Air Controller, Low Limit.

DRAWN BY	ISSUED BY	SCALE	DRW. NO.	
B.P.		N/A	41-43-RV-1 DRW-1	
CHK. BY	DATE		JOB NO.	REV
	June 25/01		28294	F

W:\J O B S\2002\SSM Syncrude (...)\41-43-RV-1, Syncrude UE-1 [C02-065, 28294]\C02-065_UPDATED-REVF (ADDED DISTECH).dwg, 4, 28/04/2020 12:16:31 PM