

- 4 CONNECTIONS SHOWN ARE FOR 208V/60HZ/3PH OPERATION. WHEN 230V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM TNS1-208V TO TNS1-230V.
- 5 PINS COM AND VT ON MMC ARE FOR IDM RPM INDICATION 0-10V.
- 6 CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. WHEN SINGLE-STAGE GAS HEAT OPERATION IS REQUIRED, WIRE 21A IS NOT CONNECTED TO IGN. ALSO, REMOVE WIRE 174A FROM IGN. ALSO, REMOVE PLUG PPM-2ST FROM PPF-2ST. ALSO, REMOVE WIRE 123A FROM GV. WIRE IND-PUR IS NOT PRESENT ON A SINGLE-STAGE GAS HEAT UNIT.
- 7 CCH2 LEADS ARE BLACK WITH BROWN TAPE WRAPPED AROUND THE END OF EACH LEAD.
- 8 TO INSTALL THE OPTIONAL ECONOMIZER, REMOVE PLUG PPM-CONFIG FROM PPF-ECA AND CONNECT PLUG PPM-ECA TO PPF-ECA. ALSO, CONNECT MAS TO WIRES 180A AND 181A.
- 9 FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OTS (AND ASSOCIATED WIRING) ARE NOT USED.
- 10 CONNECTIONS SHOWN INCLUDE OPTIONAL FOS. IF FOS IS NOT INSTALLED, CONNECT WIRES 101SS AND W27 TO WIRE 132A.
- 11 CONNECTIONS SHOWN INCLUDE BOTH OPTIONAL SMOKE DETECTORS. IF NEITHER SMOKE DETECTOR IS INSTALLED, CONNECT WIRE W67 TO TNS1-24V.
- 12 CONNECTIONS SHOWN INCLUDE BOTH OPTIONAL SMOKE DETECTORS. IF SASD IS THE ONLY SMOKE DETECTOR INSTALLED, CONNECT PLUG PPF-NRA TO PPM-NRA. IF RASD IS THE ONLY SMOKE DETECTOR INSTALLED, CONNECT PLUG PPF-NSA TO PPM-NSA.

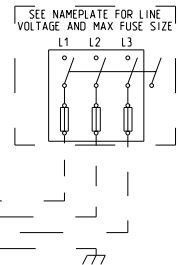
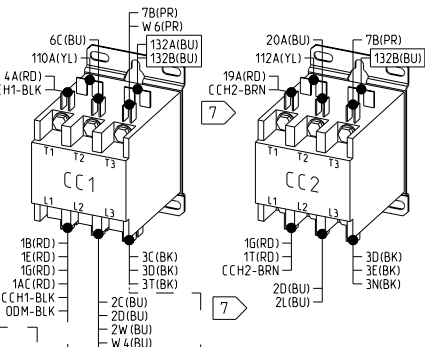
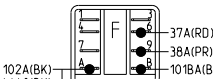
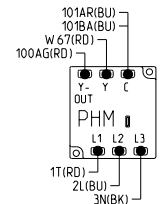
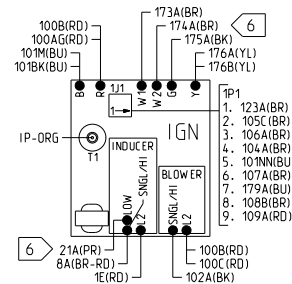


Diagram illustrating the connection between the MAS (Master Assembly Station) and the SASD (Slave Assembly Station) components.

The MAS unit is connected to the SASD unit via a cable. The MAS unit has two ports labeled 180A(BU) and 181A(PR). The SASD unit has two ports labeled 509A(YL) and 509B(YL).

The PPF-NSA (Non-Synchronous) and PPM-NSA (Pulse-Position Modulated) components are shown. The PPF-NSA is connected to the SASD unit via a cable. The PPM-NSA is connected to the SASD unit via a cable.

The PPF-SASD (Pulse-Position Modulated Slave Assembly Station) unit is shown with the following components:

- 507A(BU)-508A(BU)
- 509A(YL)-512A(PR)
- 513A(RD)-514A(RD)
- 509B(YL)-510A(BK)

The diagram illustrates the PPM-ECA assembly. It features a main ECA unit with various terminals and components. A resistor R4 is connected to the TR1 COM terminal. The assembly includes several components labeled with part numbers and callouts:

- 175C (BK)**: Component 1, connected to TR1 COM.
- 176C (YL)**: Component 2, connected to TR1 COM.
- 184B (YL)**: Component 3, connected to TR1 COM.
- 181B (PR)**: Component 4, connected to TR1 COM.
- 182A (PR)**: Component 5, connected to TR1 COM.
- 183A (BU)**: Component 6, connected to TR1 COM.
- 186A (YL)**: Component 7, connected to TR1 COM.
- 188C (YL)**: Component 8, connected to TR1 COM.
- 185A (YL)**: Component 9, connected to TR1 COM.
- 180B (BU)**: Component 10, connected to TR1 COM.

The ECA unit also has terminals for TR1, TR2, TR3, TR4, TR5, TR6, TR7, TR8, TR9, TR10, TR11, TR12, TR13, TR14, TR15, TR16, TR17, TR18, TR19, TR20, TR21, TR22, TR23, TR24, TR25, TR26, TR27, TR28, TR29, TR30, TR31, TR32, TR33, TR34, TR35, TR36, TR37, TR38, TR39, TR40, TR41, TR42, TR43, TR44, TR45, TR46, TR47, TR48, TR49, TR50, TR51, TR52, TR53, TR54, TR55, TR56, TR57, TR58, TR59, TR60, TR61, TR62, TR63, TR64, TR65, TR66, TR67, TR68, TR69, TR70, TR71, TR72, TR73, TR74, TR75, TR76, TR77, TR78, TR79, TR80, TR81, TR82, TR83, TR84, TR85, TR86, TR87, TR88, TR89, TR90, TR91, TR92, TR93, TR94, TR95, TR96, TR97, TR98, TR99, TR100, TR101, TR102, TR103, TR104, TR105, TR106, TR107, TR108, TR109, TR110, TR111, TR112, TR113, TR114, TR115, TR116, TR117, TR118, TR119, TR120, TR121, TR122, TR123, TR124, TR125, TR126, TR127, TR128, TR129, TR130, TR131, TR132, TR133, TR134, TR135, TR136, TR137, TR138, TR139, TR140, TR141, TR142, TR143, TR144, TR145, TR146, TR147, TR148, TR149, TR150, TR151, TR152, TR153, 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TR726, TR727, TR728, TR729, TR730, TR731, TR732, TR733, TR734, TR735, TR736, TR737, TR738, TR739, TR740, TR741, TR742, TR743, TR744, TR745, TR746, TR747, TR748, TR749, TR750, TR751, TR752, TR753, TR754, TR755, TR756, TR757, TR758, TR759, TR760, TR761, TR762, TR763, TR764, TR765, TR766, TR767, TR768,

1. W 14(YL)		1. 176B(YL)
2. W 14(YL)		2. 188A(YL)
3. NONE		3. 101SS(BU)
4. NONE		4. W 40(BK)
5. NONE		5. 180A(BU)
6. NONE		6. 181A(PR)
7. 184C(YL)		7. 184A(YL)
8. 184C(YL)		8. W 25(YL)
9. NONE		9. W 24(YL)

PPF-RASD

1. 508A(BU)
2. 510A(BK)・515A(YL)
3. 513A(RD)
4. 511A(RD)・515B(YL)

PPF-NRA

515A(YL)

PPM-NRA

515B(YL)

101T T (BU) — 3 1 — 132C (BU) — 2

FR

109A(RD)
109B(RD)
107A(BR)

FD

104A(BR)

IP

ORG

TCO1

109C(RD)
158A(RD)

IND

6

PPM-IND PPF-IND

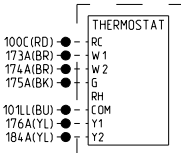
1. 2C (BU)
2. 8A (BR-RD)
3. 21A (PR)
4. NONE

6

123A(BR)
105C(BR)
179A(BU)

GV

The diagram shows a cross-section of the PPF-IDFC PPM-IDFC unit. It is a rectangular box with a central vertical channel. On the left side, there is a connection point labeled 'IDM-DRAIN'. On the right side, there is a connection point labeled 'IDM-GR-YL'. The unit is shown with a top flange and a bottom flange. The central channel is labeled 'PPF-IDFC PPM-IDFC'.



EL NO REALIZAR LO ANTERIORMENTE
INDICADO, PODRÍA OCASIONAR LA MUERTE
O SERIAS LESIONES PERSONALES.

B

DIAGRAM
CONNECTION PRINT
YSC120E3
ROMECHANICAL CONTROLS

DO NOT ENERGIZE UNIT UNTIL
CHECK-OUT AND START-UP
PROCEDURE HAS BEEN COMPLETED.

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO
ACCEPT OTHER TYPES OF CONDUCTORS

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS
CONÇUES POUR RECEVOIR D'AUTRES TYPES
DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR
PEUT ENDOMMAGER L'ÉQUIPEMENT.

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN
DISEÑADAS PARA ACEPTAR OTROS TIPOS D
CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO A
EQUIPO.