

PROJECT:

The low voltage VFD com-

munication wiring is to be

routed in metal conduit.

If longer wiring is desired,

see the wire length table

below for maximum wire

lengths.

900' (274m)

600' (183m)

390' (119m)

220' (67m)

165' (50m)

110' (34m)

KEYPAD

ANALOG AND

Wire Gage Max. Distance

12 AWG

14 AWG

16 AWG

18 AWG

20 AWG

22 AWG

WARNING: Improper wiring to this transducer

will destroy the transducer.

Use caution to ensure that the wiring

to the transducer is correct before

activating the CPC-3 Controller.

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ENLARGED VIEW

INDUCER MOTOR ROTATION SELECTOR

> RESET SWITCH

AC POWER

EXP4-E POWER TERMINALS

MICROCONTROLLERS

INDUCER

BOARD ALARM

FERMINAL STRIF

52 P1 G R B D+ D- 83 SC S2 S1 M2 M1 MC MB

Modulating Induced Draft System with VSAD 8/10/12-460A Inducer, CPC-3 Controller and 460 volt VFD

Route transducer wiring in metal conduit

or use Belden Shield Cable #9939

or equivalent. Make sure the transducer

wiring does not contain or cross line

voltage wiring or undesired transducer

performance may result.

CPC-3 CONTROLLER CIRCUIT BOARD

CONTROLLER DISPLAY

INDUCER

TRANSDUCER BOX

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10' (3m) COMMUNICATIONS CABLE PROVIDED WITH EACH VFD

INDUCER

MANUAL MODE

PROVING SWITCH

CPC-3

#4 RETURN
JUMPERS

COMMON_

