Note: Pin 6 of U1 is tied to +12V; pin 4 of U1 is tied to GND.
Modification to move Rotator Control to the back of WIYN

NOTES
1. Step & Direction are already at Distribution Box.
2. J351 Not Used

DB-25 (Male)

J370
Distribution Box

New Cable

Ampl 14 pin

Compumotor Series S Motor Controller

8 Pin

New Cable

Amp 14 pin

Rotator

Check for existing cable that is not used on WIYN.
(8 wires required, original rotator cable?)

PROCEDURE
1. Remove Step & Direction (4 wires)
2. Add Motor ON/OFF (2 wires)

Power Box

PROBLEM: With HPOL turned ON and the Power Box turned OFF, there will still be motor current on the Rotator motor.

COMPANY: University of Wisconsin Astronomy Department

TITLE: Rotator Motor Driver Mod

DRAWN: Rick Williams DATED: 6/1/98

CHECKED: DATED:

QUALITY CONTROL: DATED:

RELEASED: DATED:

CODE: B SIZE: HPOL DRAWING NO: REV:

SCALE: SHEET: OF
Rotator Differential Signal Driver

Located on Rotator

Located on the Temperature cord in the crate

AM285-531

J303-21
J303-22
J303-24
J303-25
J303-26
J303-27

+5 Volts from cord

Vcc = pin 16, Gnd = pin 8

.47 ufD

University Of Wisconsin
Astronomy Department

Rotator Feducial

DRAWN: Rick Williams
DATED: 03/04/99

CHECKED: DATED:

QUALITY CONTROL: DATED:

RELEASED: DATED:

CODE: B
PROJECT: HPOL

1A

A B C D