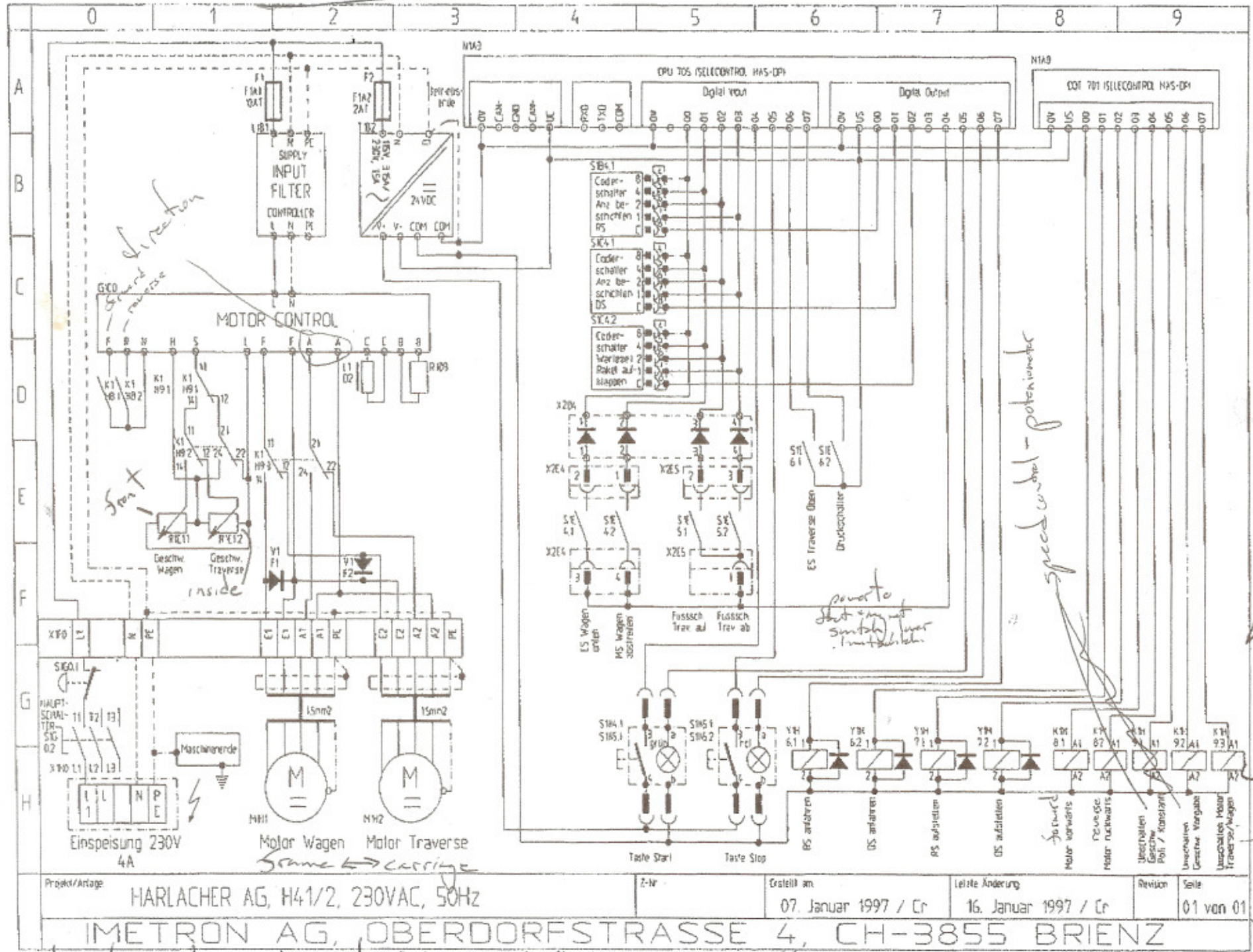


DC MOTORS



von W.857 bis W.870 Screening bis W.870  
 same wheel / carriage

speed prob. - slow - jumped 9.1 #11 to #14 DISCONNECT #12 !!!

ELECTRO MULLER AG  
2500 Biel-Bienne 4



## ELECTRONIC VARIABLE SPEED DRIVE

### 733R REVERSING D.C. MOTOR CONTROLLER

for PERMANENT MAGNET and  
SHUNT WOUND D.C. MOTORS

0.18KW max  
0 to 200 Volts  
0 to 1.4 Amps

- ★ FORWARD or REVERSE
- ★ 0 - 100% VARIABLE  
SPEED CONTROL
- ★ DYNAMIC BRAKING

### SPECIFICATION

#### INPUT

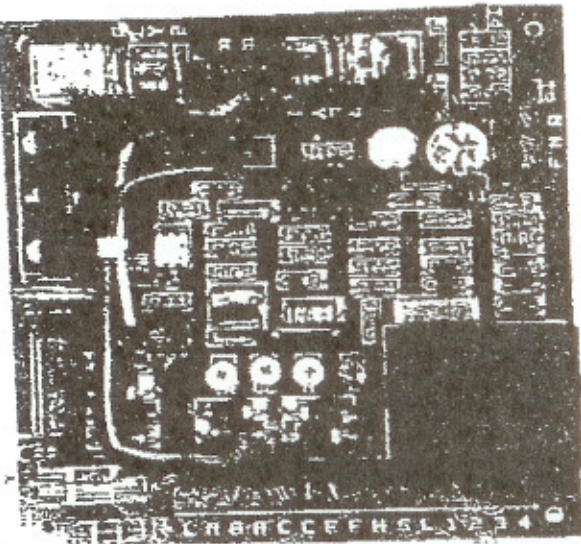
110/120 or  
220/250 Volts ac  
50/60 Hz  
3.0 Amps max

#### OUTPUT

Armature 0-100 Volts dc  
0-200 Volts dc  
0-1.4 Amps  
(ff=1.3 typical)  
Field 100 Volts dc  
(115 v ac)  
200 Volts dc  
(240 V ac)  
1.0 Amp max

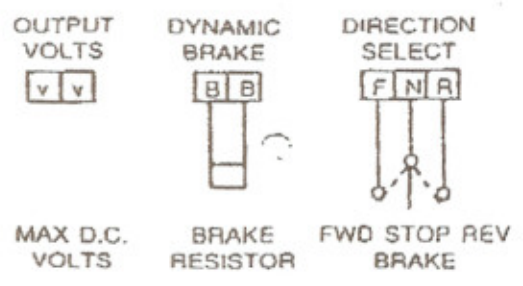
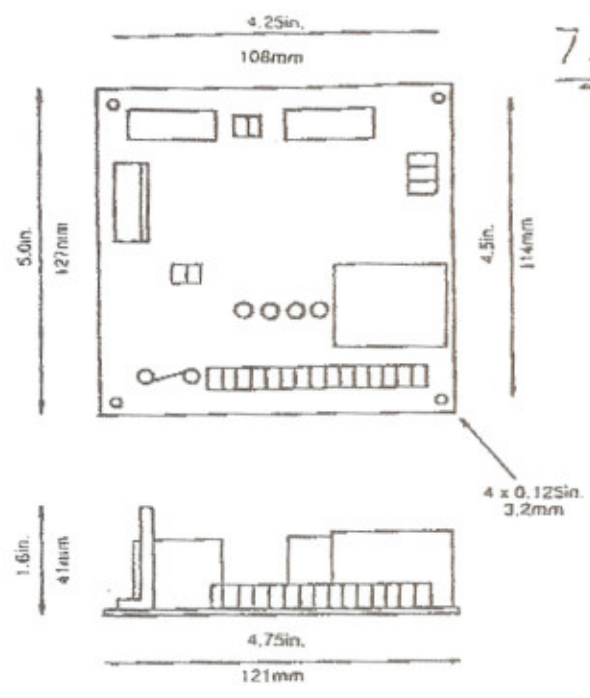
#### ADJUSTMENTS

H High Speed  
L Low Speed  
OL Current/Torque Limit  
IR Load Compensation

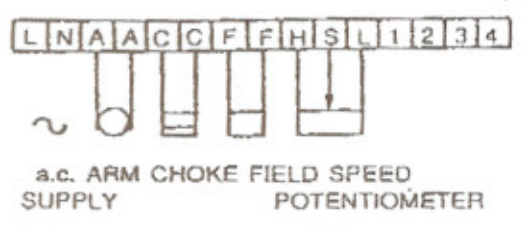


The 733R Reversing Speed Controller is an Electronic Variable Speed Drive for Permanent Magnet and Shunt Wound D.C. Motors up to 0.18KW. The Armature of the motor is supplied with a variable d.c. voltage which drives the motor at a given set speed. The motor back e.m.f. is monitored via a feedback network to maintain the set speed. The maximum armature voltage may be set at 100 volts or 200 volts by changing link v-v. Direction of Rotation is selected by connecting F-N for Forwards or R-N for Reverse on the Direction Control terminal block. Dynamic Braking is applied when forward or reverse is not selected. This function may be omitted.

733R



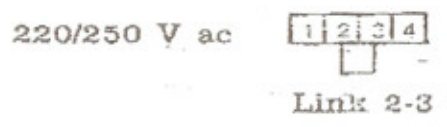
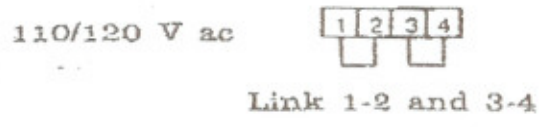
MAX D.C. VOLTS      BRAKE RESISTOR      FWD STOP REV BRAKE



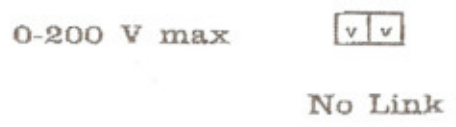
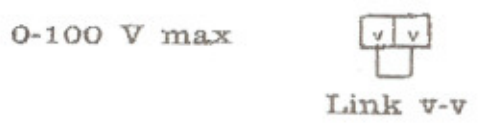
**ADJUSTMENTS**

- H High Speed
- L Low Speed
- OL Current/Torque Limit
- IR Load Compensation

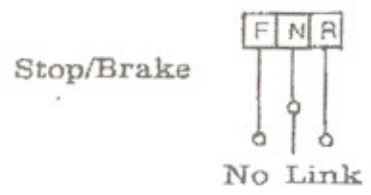
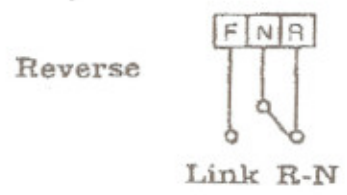
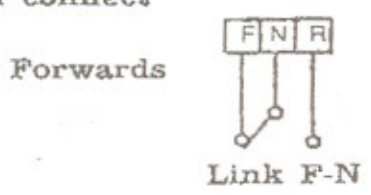
**C. Supply Voltage selection**



**C. Armature Voltage selection**



**Direction Control connect**



**Dynamic Braking**

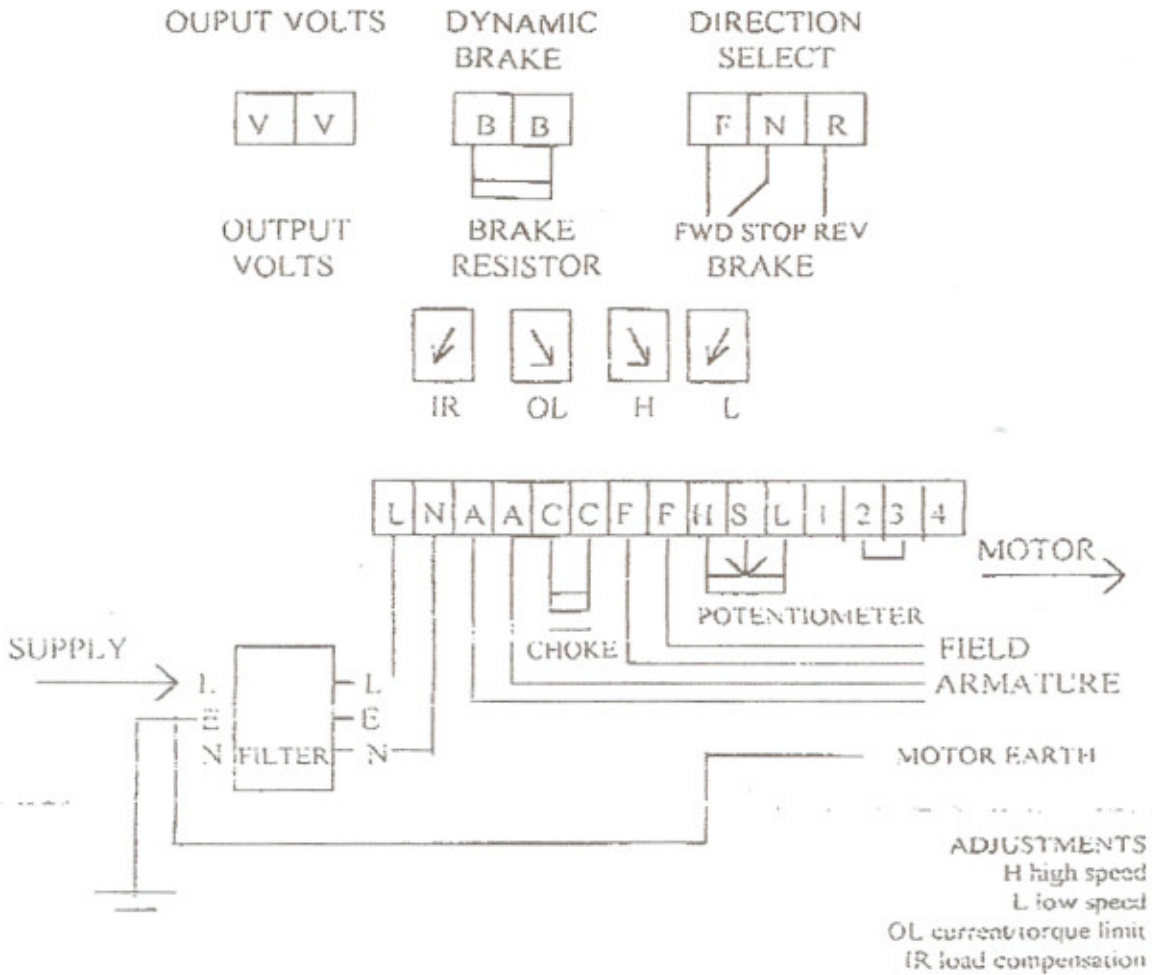
When Forward or Reverse is not selected Dynamic Braking is applied. If this function is not required omit the Brake Resistor.

Dynamic Brake Resistor	0-200 V dc	22R 25 Watt
	0-100 V dc	10R 25 Watt
Potentiometer	2 - 5 K	Lin 0.25 Watt
Choke	1.2 Amps	5187
	1.5 Amps	7031
Maximum recommended Fuse	3.15 Amps	20mm Quick Blow

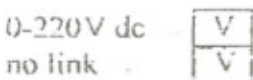
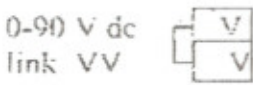
**NOTE: All connections and controls are live with respect to a.c. supply and motor output.**

HERRSCHER AG  
 50 Biel-Löwenstrasse 4

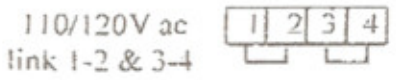
### 733R CONNECTION DIAGRAM



**DC output Voltage selection**



**AC supply input Voltage selection**



When forward or reverse is not selected dynamic braking is applied. If this function is not required omit the brake resistor.

Dynamic brake resistor : 0-200V dc 22R 25 Watt ,      0-100V dc 10R 25 Watt

Potentiometer: 2-5K Lin 0.25 Watt

Choke : 1.2A 5187 , 1.5A ~~7021~~ 7032

Note: All connections and controls are live with respect to the supply and motor output.

*Screen making to Chris Lalay*

*Harlocker & 23.11.04*