

# ←NEW PRODUCTS→

## FUJI DSR THYRISTOR LEONARD EQUIPMENT

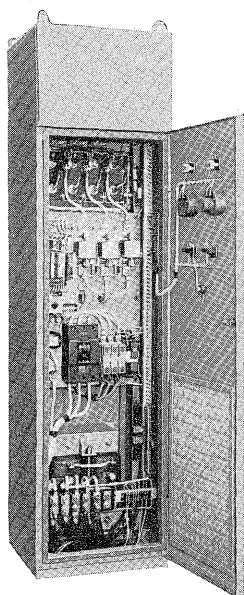
The problems of labor saving and the speeding up and automation of equipment recently encountered in various industries have increased the range of applications of thyristor Leonard system noted for such features as high efficiency, long life, high reliability, and handling ease. This is especially true in drive devices.

To meet this demand, Fuji Electric has standardized thyristor Leonard systems having a wide range of applications through the combination of the DS motor with the DSR thyristor Leonard equipment employing IC, transistors, thyristors, diodes, and other elements whose reliability has been considerably increased in recent years. An outline of this thyristor

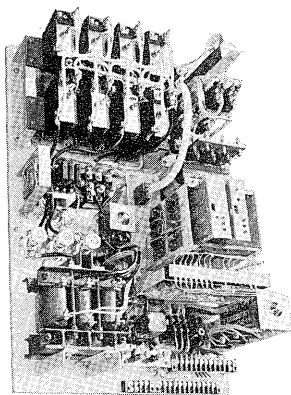
Leonard series is given here.

### ■ Features

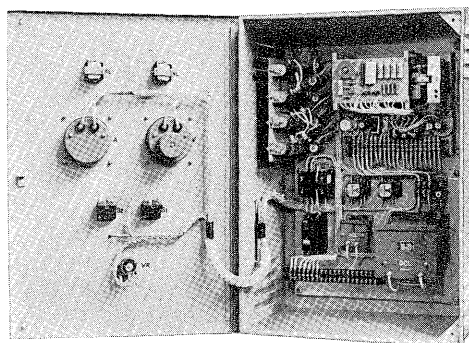
- (1) Wide speed control range and high degree of accuracy
- (2) Low cost
- (3) Installation free
- (4) Perfect protection for short circuit, over load, field under relay, current limit device, surge absorber, phase detector, anti-plugging relay
- (5) Components are functional and standardized. Systematic operations satisfy all performances required



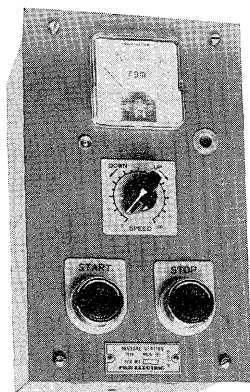
Cubicle Type DSRC-220/45



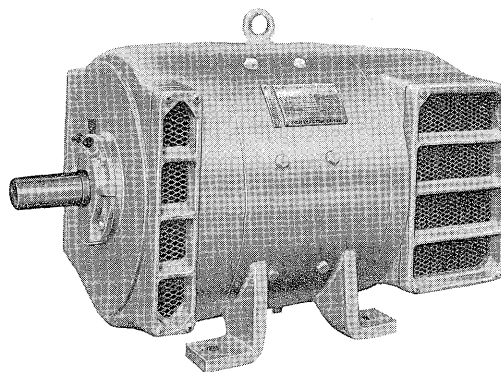
Panel Type DSRN-220/6.3



Wall mounted Type DSRWE-140/3.3



Operating panel MCA-H5



DS motor

# ■ DSR Thyristor Leonard Series

Wall mounted type	Panel type	Cubicle type	Max. output (Continuous) (kW)	Available DS motor (kW)
DSRWE-140/3.3	DSRNE-140/3.3	—	3.3	1.5
DSRWE-140/5.6	DSRNE-140/5.6	—	5.6	2.2
DSRW-220/6.3	DSRN-220/6.3	DSRC-220/6.3	6.3	3.7
DSRW-220/11.3	DSRN-220/11.3	DSRC-220/11.3	11.3	5.5
DSRW-220/17.2	DSRN-220/17.2	DSRC-220/17.2	17.2	7.5
DSRW-220/45	DSRN-220/45	DSRC-220/45	45	22
—	—	DSRC-220/78	78	45
—	—	DSRC-220/107	107	55
—	—	RDSC-220/128	128	75
—	—	DSRC-440/214	214	125
—	—	DSRC-440/256	256	150

# ■ General Specifications

	Item	Specifications
Common specifications	Rated input voltage	Type DSRWE, DSRNE: 1 $\phi$ 200/220 V 50/60 Hz Type DSRW, DSRN, DSRC: 3 $\phi$ 200/220 V, 400/400 V, 50/60 Hz
	Allowable regulation of input voltage	−15%~+10% of rated voltage
	Rated armature voltage	Type DSRWE, DSRNE: DC 140 V Type DSRW, DSRN: DC 220 V Type DSRC: DC 220 V, 400 V
	Rated field voltage	DC 150V, $\pm$ 10% adjustable
	Over load capacity	150% of rated motor current
	Speed control system	Automatic speed regulator or direct voltage regulator system
	Speed control range	(1~1/20) of base speed (850, 1150, 1150, 1750 rpm)
	Speed regulation	Automatic speed regulator system: 1% Direct voltage regulator system: 3%
	Ambient operating temperature	−10°C~+40°C
	Operation	By manual station MCA-H4 or MCA-H5 with on-off push button switch, speed setter and speed indicator
Optional specifications	Constant acceleration	By "slow starter" (ramp generator) type MCA-A (Standard is by current limiting acceleration system)
	With dynamic brake	Rated braking torque: 150% of rated torque
	Reversible drive	Armature change-over system with dynamic brake
	Armature to field control by unified speed signal	Controlling by a speed setter in the manual station
	Preset field control	Field control and armature voltage control are independent of each other