

# ←NEW PRODUCTS→

## FUJI NEW CONTROL CENTER SM-2200 (CONTAINING 22 UNITS)

At the present time when labor saving measures are being stressed, centralized control of low voltage motors is becoming widespread and control centers are being employed in all types of industry. In recent years, considerable emphasis has been placed on the role of control centers. The SM-2200 type control center is a unique, newly developed control device which features compactness, light weight and simplicity of operation.

### Features

#### 1) Space occupied is 1/3 of that of previous models

Since a compact unit has been designed on the basis of a completely new concept, the floor space required is only 1/3 of that needed for former centers and the area of the electrical room can be reduced considerably.

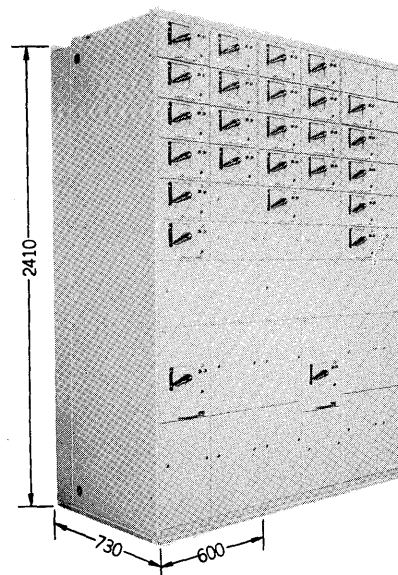
In spite of its compact size, a large capacity breaker and current limiting fuse are included so that it can be used directly in circuits with high short circuit capacities and the equipment as a whole becomes more compact and economical.

#### 2) High degree of safety due to unique unit construction

Each individual circuit is contained in a unit covered with grounded metal and the center is divided into a breaker compartment, a main unit compartment and a control relay compartment. Therefore, a high degree of safety is guaranteed. There is sufficient arc space in places where arcs occur in the breaker compartment etc. and such arcs can have no influence on other components. The operator is also completely safe. There is also completely automatic connection among the units so that the main circuit and control circuit can be disconnected or connected as one motion.

#### 3) High reliability

Since the high capacity Fuji autobreaker and current limiting fuse are used, short circuit currents are accurately interrupted and the thermal and mechanical shock to series devices due to short circuit currents resulting from current limiting is reduced. Motor operation and protection are guaranteed by the use of Fuji electromagnetic switches which have proven their excellence as motor control



### Standard Ratings

Item	Rating
Voltage applicable	Less than 600 V AC
Rated voltage (V)	Main circuit 440 400 (380) 220 200
	Control circuit 220 200 (110 100)
Rated frequency	50/60 Hz
Bus line rating (A)	Verticalbus flat aluminun 300 600 (flat copper 500 1,000)
	Horizontal bus flat aluminun 600 1,000 1,500 2,000
	flat copper 800 1,000 1,500 2,000 2,500 3,000)
	F. A. B: 70 kA at 220 V *40 kA at 460 V ("O" 1 once)
Breaking capacity (unit)	Fuse: 100 kA at 500 V

(Note) The \* "O" 1 time means ONE TIME breaking

switches since over 20 million have been produced and are operating satisfactorily.

#### 4) Simple planning

The units can be assembled in integer multiple heights of 60 mm and the standard heights are from 180 mm to 480 mm depending upon the motor and