

Mitsubishi Electric Enhances “Destination Oriented Allocation System” for Elevators

12/3/2014

Reduces average waiting time by about 10% while offering improved operability and design

Mitsubishi Electric Corporation (TOKYO: 6503) announced today the latest products in its Destination Oriented Allocation System

(DOAS) lineup, which feature advanced functions and designs for extra-efficient elevator operation and user convenience. Sales will start on December 17 and prices will available by quote.



Touch-screen hall panel
(shown mounted on wall)



Touch-screen hall panel with card reader

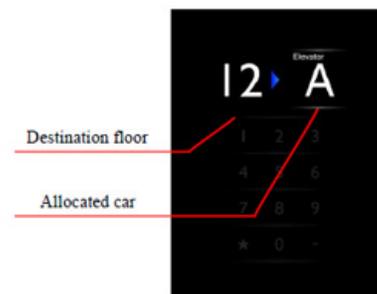
Mitsubishi Electric’s DOAS optimizes multi-car elevator systems by allocating cars efficiently according to the floors that passengers input while waiting in the hall, helping to reduce both wait and travel times. The system also eliminates the need to press buttons upon entering the car. DOAS uses destination-control technology to maximize car allocation efficiency, including by directing passengers who are going to the same floor to use the same elevator. As a result, cars do not stop needlessly on floors being served by other cars.

The new car allocation method reduces average wait time by about 10% during congested hours, and lowers the possibility of long waits lasting 60 seconds or more during off-peak hours by about 20%. The calculations are comparisons with conventional elevator systems and are based on simulations conducted by Mitsubishi Electric using 16 floors, six cars and 20-person load capacities.

The DOAS hall panels feature upgraded design and ease of use. Big, bright 10.4-inch touch screens offer a choice of instructions in Japanese, English or Chinese. Audio guidance is optional.



Destination entry screen



Car allocation screen

Display example of a numeric keypad type touch-screen hall operating panel

Building security can be enhanced by combining DOAS with a separate access-control system. The administrator can choose from two types of registration methods: floor access control or automatic call registration. In the first method, the passenger waves an ID card over the card reader in the hall and then enters an authorized floor number. In the second method, the user's floor is preregistered in the ID card, so after the card is waved over the reader, the panel directs the user to the elevator going to that floor. There is no need to enter the floor number manually.

About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,054.3 billion yen (US\$ 39.3 billion*) in the fiscal year ended March 31, 2014. For more information visit <http://www.MitsubishiElectric.com> *At an exchange rate of 103 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2014