CLAIMS:

1. A non-PLC-based conveyor controller configured so that a plurality of the non-PLC-based conveyor controllers are connected in series to enable signal transmission between the controllers, comprising:

a first controller connector that performs transmission and reception of data and an operation signal with respect to a non-PLC-based conveyor controller on the left side;

a second controller connector that performs transmission and reception of data and an operation signal with respect to a non-PLC-based conveyor controller on the right side;

an input section through which an object detection signal for an object transported on a conveyor is input from a sensor;

an output section that outputs a motor driving signal for operating the conveyor;

a control section that in a case where the object detection signal is input through the input section, transmits an entry prohibition signal to the non-PLC-based conveyor controller on the left side through the first controller connector, transmits a progress signal to the non-PLC-based conveyor controller on the right side through the second controller connector, and outputs the motor driving signal through the output section so that the object is transported

to the conveyor controlled by the non-PLC-based conveyor controller on the right side; and

an internal communication section that transmits an error and an operation log generated in the non-PLC-based conveyor controller, to a server,

wherein in a case where the object detection signal is not received through the input section within a specified time after the progress signal is received from the non-PLC-based conveyor controller on the left side through the first controller connector, the control section transmits an error message including a serial number of the control section and a serial number of the controller that has transmitted the progress signal to the server through the internal communication section.

2. The conveyor controller according to claim 1,

wherein in a case where the input of the object detection signal through the input section is stopped, the control section determines that the last part of the object has passed, outputs the motor driving signal through the output section for a predetermined time (T) so that the object passes the last point of the conveyor controlled by the control section to be transported to the conveyor controlled by the non-PLC-based conveyor controller on the right side, and stops the output of the motor driving signal in a case where the

predetermined time (T) elapses.

3. The conveyor controller according to claim 2,

wherein the predetermined time (T) is calculated using a distance (S) from a position where the last part of the object passes to the last point of the conveyor controlled by the control section and a rotational speed (V) of the motor that is rotated according to the motor driving signal.

4. The conveyor controller according to claim 2,

wherein in a case where the output of the motor driving signal is stopped after the predetermined time (T) elapses, the control section transmits the progress signal to the non-PLC-based conveyor controller on the left side through the first controller connector, and in a case where the progress signal is received from the non-PLC-based conveyor controller on the left side, the control section outputs the motor driving signal through the output section.

5. The conveyor controller according to claim 1,

wherein in a case where the object detection signal is continuously received for an object detection time corresponding to the maximum object length or longer through the input section after the progress signal is received from the first non-PLC-based conveyor controller on the left side

through the first controller connector, or in a case where there is no output of the motor driving signal through the output section even after the detection time corresponding to the maximum object length elapses, the control section transmits a motor error message including its own serial number to the server through the internal communication section.