­

N0

YES

D = TS + U(S’T + ST’)

N0

YES

MOTOR DRIVER

1. D = 1: DOOR OPEN
2. D = 0: DOOR CLOSE

COMMAND U TO BE SET BY THE USER

(‘U=0’ OR ‘U=1’)

MATCHED?

CAPTURE THE IMAGE

NOTIFY THE FOLLOWING INFORMATION TO THE USER:

1. CAPTURED IMAGE
2. NAME:
3. TEMPERATURE

S = 1

COMMAND U TO BE SET BY THE USER

(‘U=0’ OR ‘U=1’)

NOTIFY THE FOLLOWING INFORMATION TO THE USER:

1. CAPTURED IMAGE
2. NAME: “UNIDENTIFIED”
3. TEMPERATURE

S = 0

T = 1

T = 0

LESS THAN THRESHOLD?

GENERATE ENTRY-REGISTER ENTITY

(PARAMETERS: NAME, IMAGE, TEMP, S, T, U)

MEASURE BODY TEMPERATURE

START

VISITOR’S PRESENCE DETECTED?

N0

YES