Galaxy News

Access Excellence

JANUARY I 2019

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Not Fake News!

This Issue:

New President

635 IP Filters

Become a Dealer

Holiday Closing Date

Events

Community Outreach

Pricebook Info

About Us

Rick Caruthers Appointed President at Galaxy Control Systems

The Board of Directors of Digital Systems Corporation, the parent company of Galaxy Control Systems, announced the appointment of Rick Caruthers to the position of President at Galaxy Control Systems. Effective immediately, this appointment reflects the company's long-term planning and succession strategies.

"Rick has essentially been working in the capacity as president of Galaxy Control Systems for the past several years, and with this appointment will be able to execute his vision and goals for the company," said Robert Laughlin, Chairman of Digital Systems Corporation. "After 17 years of proven service and dedication to Galaxy Control Systems, we are most confident that Rick is the person best suited to be at the helm of this organization moving forward."

Mr. Caruthers' extensive experience and proven track record in the professional security industry spans over 28 years, where his career was initiated on the integration side of the business then migrated into the manufacturing space. Over 17 years to date, Mr. Caruthers has risen through the ranks in positions ranging from Regional Sales Manager, Government Sales Director, Vice President of Sales, Executive Vice President, to his current role as President of Galaxy Control Systems.

Rick Caruthers is "extremely honored" with the Board's decision. "There are so many exciting opportunities that lie ahead for Galaxy as we continue to evolve and supplement our portfolio of on-premise based and cloud access control solutions, and expand internationally. And we will maintain our focus on the core values that have propelled Galaxy Control Systems over the years, including exceptional customer service and outstanding quality hardware and software offerings that will remain designed, developed and manufactured in-house in the USA."

Galaxy 635 IP Filters Decoded

Several years ago, Galaxy added IP filtering capabilities to its 635 CPU to alleviate network related conditions that could interfere with functionality.

- Default settings for IP Filters is OFF.
- The controller can *Tamper Switch must be closed* for activated IP Filters to take effect.
- Activated IP Filters will affect access to the 635 CPUs embedded web server. When all filters are activated, the embedded web server will be unreachable unless the controller can Tamper Switch is open.
- Galaxy recommends leaving IP Filters in the default settings unless the controller is experiencing problems staying on the network.
- Galaxy recommends activating all the IP Filters on 635 controllers that are experiencing problems staying on the network.

Galaxy IP Filters Explained

- **Ignore Syn Packets:** When enabled, the embedded web server will be unavailable.
- **Ignore all BROADCAST packets:** When enabled, all BROADCAST traffic will be discarded.
- **Ignore all BROADCAST packets except for APR and Galaxy Control Systems:** When enabled, all BROADCAST traffic will be discarded except for the standard ARP messages and GALAXY proprietary packets.
- **Use MAC filtering when connected to event server:** When enabled, this activates a mechanism where the MAC address of the Galaxy Event Server is found during the initial handshake. Then it is used to reject packets from all other MAC addresses.
- **Send periodic gratuitous ARPs:** Some network hardware assumes that all devices will participate in ARP messaging. If they do not see an ARP message froma device within a set period, the network decide will begin to ignore the device. Enabling this setting causes the CPU to periodically issue an ARP to prevent this from happening.
- **Ignore UDP packets:** Enabling this setting causes the CPU to ignore all UPD traffic at the network level. This includes malformed UPD packets that are addressed to the CPU.

Galaxy 635 IP Filters Continued

Definitions

- **Syn packets:** Normally, when a client attempts to start a TCP connection to a server, the client and server exchange a series of messages. The client requests a connection by sending a SYN (synchronize) message to the server. The server responds with a SYN-ACK back to the client.
- **BROADCAST packets:** In computer networking, broadcasting refers to transmitting a packet directed to every device on the network.
- **MAC Address:** The IP address is an address bound network device (e.g. computer, controller, router) via software. The MAC Address is a hardware address unique to the network adapter on the device.
- **ARP:** Address Resolution Protocol is used to link IP addresses to the MAC addresses. A networked device will maintain an ARP table listing the IP address and associated MAC address of each device on its segment of a network.
- **Gratuitous ARPs:** A Gratuitous ARP is a sort of advance notification. It updates the ARP cache of other systems before they ask for it (no ARP request)or to update outdated info.
- **UDP packets:** Uniform Datagram Protocol provides an unreliable packet delivery systems built on top of the IP protocol. Because of this, the amount of data that can be sent in a UDP packet is limited to the amount that can be contained in a single IP packet.
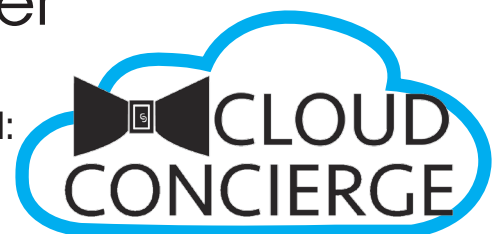
Become a Galaxy Dealer

For training dates, topics, cost, and travel:
http://www.galaxysys.com/training

CLOUD CONCIERGE

For an overview on perks of becoming a dealer:
https://vimeo.com/146512736

Events

January

Jan 8-10
Galaxy Training
Detroit, MI

Jan 14-18
Galaxy Training
at Walkersville, MD

Jan. 20-22
Intersec
at Dubai

February

Feb 11-15
Galaxy Training
at Walkersville, MD

Save the Date!

April 10-12
ISC West
at Las Vegas, NV

CLOSED
TUESDAY JAN. 1st (New Years)

Galaxy in the Community

Galaxy Control Systems was proud to host the **Frederick High School LYNX Program** for the second year. The LYNX program allows 9th-12th graders to explore their passions for technology and security. The students were able to gain insight into the professional field of access control with an in-depth tour of Galaxy by President Rick Caruthers and Business Development Strategist Shelly Brown. The students were able to study equipment, ask questions, and see first hand what Galaxy does in the security sector.

Keep an eye out for an
updated Galaxy Pricebook
in January 2019

Happy New Year from Galaxy!

CLOSED: JAN 1st

About Galaxy Control Systems

Galaxy Benefits:

- Privately Held Company
- Certified & Professionally Trained International Dealer Network
- Committed to In-House Design & Manufacturing
- Personalized Customer Relationships

Galaxy Control System's Mission Statement

To ensure the success of our client's Access Control & Security Management Systems, Galaxy has dedicated itself to providing the highest level of technical support and customer service. By effectively supporting our authorized dealer network and servicing emerging end-users needs, Galaxy not only ensures its own future successes but also will facilitate the increasing integrity and professionalism of our industry. We will accomplish our goals by committing all of our human and financial resources to better serve our dealer network and the customers on whom we all depend.

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