ISA Birmingham Section

Trend Recorder

ISA Birmingham Web Site: www.isa.org/Birmingham [isa.org]

May 15, 2020

ISA Birmingham Report

The ISA Birmingham Section Leadership Team encourages everyone to be aware of the restrictions and concerns with the COVID-19 pandemic. This is a very serious situation that we are all dealing with and making alterations to our lifestyle to deal with the coronavirus threat to our health.

The ISA Birmingham Short Course was cancelled, as well as the Honors and Awards Dinner in May. Be on the lookout for announcements of alternate plans for opportunities that will replace these and other activities of the section.
A new slate of officers for 2020-2021 will be announced soon as the ISA Birmingham Section looks ahead to the coming society year. There will be plans brought forth for member benefits and participation that will be of interest to all of us. Let’s all work together as we enter some uncharted territory and seek to offer services to our industry and members.

This is the 75th Anniversary Year for ISA, and you may click on the following link to see a very interesting slide show of the history of ISA.


If you are interested in be a committee chair, member of a committee, or working in any area of leadership with the ISA Birmingham Section in 2020-2021, please let the nominating committee hear from you. Please contact Catherine Andrews (candrews@hilealabama.com) or Skip Wells (skipandalice@att.net) to learn what opportunities exist for these positions.

Mark Your Calendar

All meetings and classes are cancelled until further notice of health clearances.

Anyone with suggestions as to program topics and presentations, should contact Mark Isbell at misbell@wgyates.com, with ideas and suggestions.
Dilbert
by Scott Adams

ISA Birmingham Leaders 2019 – 2020

http://www.isa.org/birmingham [isa.org]

- President: Meg Moore – W.G. Yates Company (mmoore@wgyates.com)
- Vice President: John Cover – BBP (cover.john5@gmail.com)
- Treasurer: Patrick Joseph – Southern Company Services (p joseph@ southernco.com)
- Secretary: Steven Holland – W. G. Yates Company (sholland@wgyates.com)
- Past President: Jim Key – Southern Company Services (jimkey@southernco.com)
- Section Delegate: John Cover – BBP (cover.john5@gmail.com)
- Program Chair: Mark Isbell – W. G. Yates Company (misbell@wgyates.com)
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- Membership Chair: Catherine Andrews – Hile of Alabama (candrews@hilealabama.com)
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• Web Master: Jimmie Johnson – Southern Company Services (jimjohns@southernco.com) Elizabeth Clarkin – Southern Company Services (epclarki@southernco.com)
• Marketing Chair: Chris Sorensen – Southern Company Services (chris.sorensen@juno.com)
• Publications Chair: David Hyche – KBR (david.hyche@kbr.com)
• Standards & Practices Chair: Jim Key – Southern Company Services (jimkey@southernco.com)
• Historian: Skip Wells – Southern Company Services (skipandalice@att.net)
• Student Section Liaison: Yao Wang – Southern Company Services (ywang@southernco.com)
• Section Division Liaison: Charles Morris (c.morris7711@gmail.com)
• ECOB Liaison: Cliff Fleming – Control Equipment Company (cfleming@eadsdistribution.com)

President Advisory Team and Special Assignment:
  Delane Ponder – Southern Company Services (X2ponder@southernco.com)
  Grady Andrews – Hile Controls of Alabama (gandrews@hilealabama.com)
  Cliff Fleming – Control Equipment Company (cfleming@eadsdistribution.com)
  Frank Flow – Flexim Inc. (fnflow@yahoo.com)
  John Edge – Sick (john4auburn@gmail.com)
  Kiumars Bahri – Southern Company Services (kbahri@aol.com)

Matt's Word for the Day

**Exigency** [wordgenius.com]

[ EKS-i-jên-see ]

Part of speech: noun Origin: Latin, late 16th century

1. An urgent need. 2. A crisis that requires immediate action.

Examples of **Exigency** [wordgenius.com] *in a sentence*

"He put the financial exigency of his family ahead of his personal desires."
"The exigency of the natural disaster inspired many people to make donations and volunteer their time."

**Technical Brain Teaser**

A control loop of a DCS consists of an isolated 4–20 mA output and a grounded control element. A remote indicating device must be installed between the DCS and the control element. The indicating device has an input range of 1.5 V and is referenced to ground. Which of the following components (I/I is a current-to-current converter) is/are required to give a full-scale reading of the indicating device without affecting the control element?

(A) 100-Ω resistor only
(B) I/I and 100-Ω resistor
(C) 250-Ω resistor only
(D) I/I and 250-Ω resistor

**Scroll down for the answer**
**Answer**

The input to the indicator that has been added is 1 – 5 volts, so a 250 ohm resistor will need to be installed. This rules out the answers (a) and (b), which eliminates one half of our choices. Since we do not want to impact the output to the control element and we do not know the maximum input impedance that our DCS can handle, it is best to employ the I/I, current to current converter (repeater) to provide the best input to the added indicator as shown below.

The correct answer is (D).